



CANADIANA

MAY 25 1993

Alberta's Reserves of crude oil, oil sands, gas, natural gas liquids, and sulphur

ERRATA Alberta's Reserves 1992

Prior to publication, it was noticed that the net cumulative production for the Ferrier Cardium G & L Pool had been calculated incorrectly (see Table 4-5, page 4-62).

The correct numbers are shown below:

Net cumulative production, 10^6 m^3	13 621
Remaining established reserves, 10^6 m^3	2 555
Remaining energy content, TJ	106 722

The correct remaining established reserve was used in the calculation of the remaining established reserves of ethane (Table 5-1) and the remaining established reserves of natural gas liquids (Table 6-1).

Our apologies for any inconvenience caused by this oversight.





Alberta's Reserves of crude oil, oil sands, gas, natural gas liquids, and sulphur

December 1992

**ENERGY RESOURCES CONSERVATION BOARD
RESERVE REPORT SERIES ERCB-18**

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- | | |
|----------|---|
| ST 93-31 | Reserves of Coal, Province of Alberta |
| ST 93-35 | Alberta's Reserves of Gas, Complete Listing |
| 93-40 | Energy Alberta 1992 |
| ST 91-38 | Atlas of Alberta's Crude Bitumen Reserves |
| 81-E | Alberta's Hydroelectric Energy Resources |
| 88-E | Alberta Oil Supply, 1988-2003 |

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HIGHLIGHTS

RESERVES	1992	1991	Change
Conventional crude oil			
Initial established (10^6 m^3)	2 292.7	2 265.6	+ 27.1
Remaining established (10^6 m^3)	442.0	468.5	- 26.5
Crude bitumen (developed surface-mineable projects)			
Initial established (10^6 m^3)	644.0	644.0	-
Remaining established (10^6 m^3)	434.0	451.0	- 17.0
Crude bitumen (developed in situ projects)			
Initial established (10^6 m^3)	107.1	102.8	+ 4.3
Remaining established (10^6 m^3)	48.2	50.7	- 2.5
Natural gas ^a			
Initial established			
Volume (10^9 m^3)	3 416.9	3 344.4	+ 72.5
Energy (10^{18} J)	131.23	128.62	+ 2.61
Remaining established			
Volume (10^9 m^3)	1 594.7	1 626.2	- 31.5
Energy (10^{18} J)	61.2	62.4	- 1.2
PRODUCTION			
Conventional crude oil (10^6 m^3)	53.6	51.4	+ 2.2
Crude bitumen (surface-mineable) (10^6 m^3)	17.0	16.0	+ 1.0
Crude bitumen (in situ) (10^6 m^3)	6.8	6.6	+ 0.2
Natural gas ^b			
Volumes (10^9 m^3)	104.0	78.8 ^c	+ 25.2

a Volumes are on an actual heating value basis.

b The official net production of natural gas is reported in ERCB ST 93-17 (see Chapter 4, Section 4.7 of this report).

c Includes a solvent flood correction of - 9.6 billion cubic metres.

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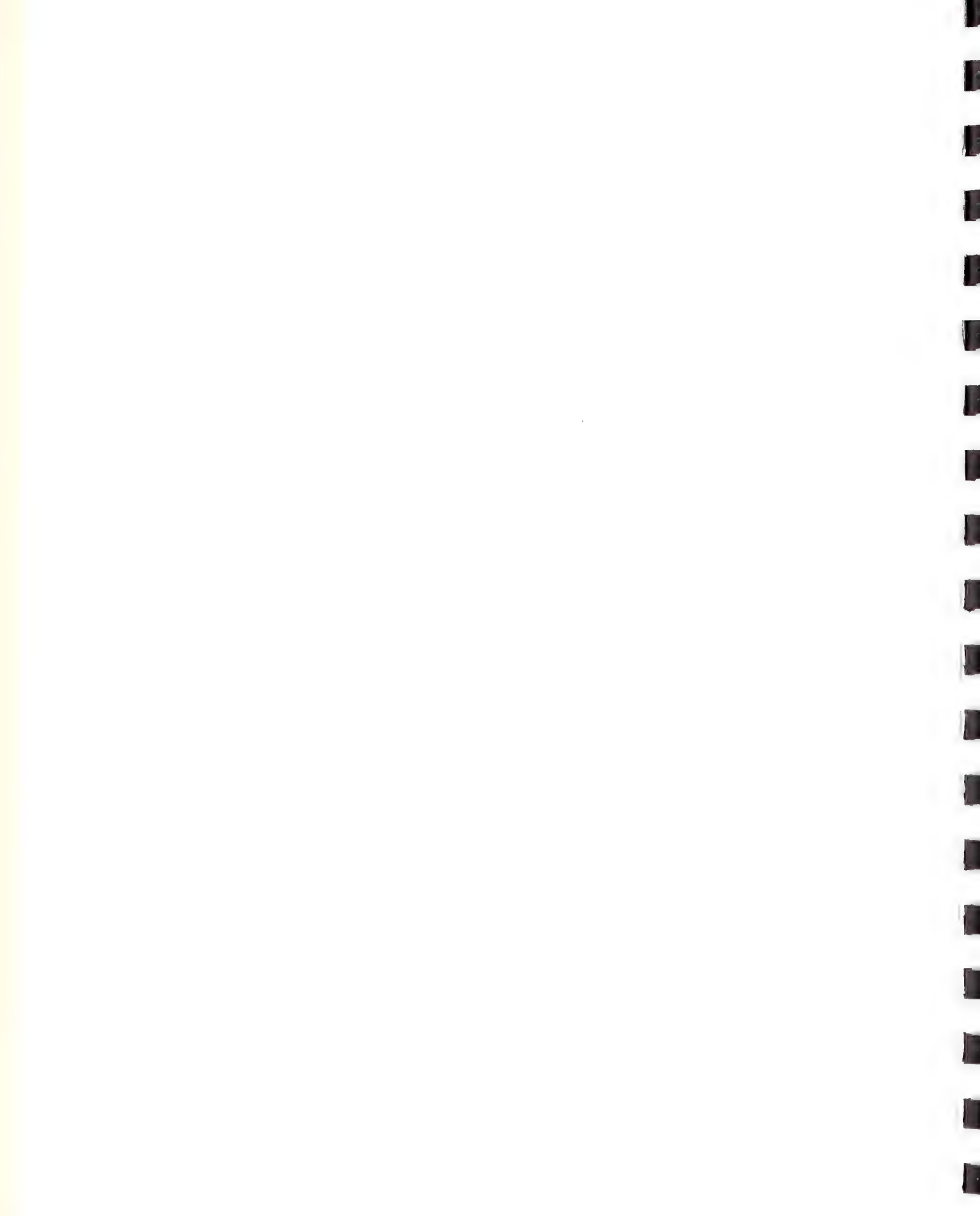
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PREFACE

This is the principal report of the Energy Resources Conservation Board on Alberta's reserves of conventional crude oil, bitumen, synthetic crude oil, gas, natural gas liquids, and sulphur; it includes estimates of initial and remaining established reserves and ultimate potential. It is updated annually from the Board's records, and this edition reflects changes that have occurred to the end of 1992.

The information in Tables 2-6 and 4-5 and more detailed information on the reserves of gas pools is available on magnetic tape. The gas reserve details are also available on COM-microfiche (ERCB ST 93-35). To obtain copies of the magnetic tapes or ERCB ST 93-35 contact the ERCB's Information Services, main floor, Energy Resources Building (297-8190).

General enquiries respecting this report should be directed to L. A. Samson. Enquiries respecting specific sections should be directed as follows:

Chapter	Coordinators, Department	
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2	A. Burrowes, Oil	297-8566
3	W. A. Mayer, Oil Sands	297-2883
5, 6, and 7	S. H. Smith, Gas	297-4287

The Board gratefully acknowledges the work of these staff members and many others in preparing this report.



G GRAPHICS

The colour graphics section included with this annual reserves report provides a graphical presentation of some of the Oil and Gas statistical data as well as an additional breakdown of associated data in this and previous reports. Your comments on the value of this section on the user survey would be appreciated.

G1 LIGHT-MEDIUM OIL Reserves and Additions and Reassessments

G2 HEAVY OIL Reserve Additions and Reassessments

G3 TOTAL CONVENTIONAL OIL Reserve Additions and Reassessments

These graphs are a further breakdown of the additions and reassessments changes to the initial established oil reserves as described in Section 2 of this report.

G4 CHANGES TO OIL RESERVES BY ENHANCED RECOVERY SCHEMES

This graph is a further breakdown of the changes to the initial established reserves of enhanced recovery schemes described in Section 2 of this report.

G5 RESERVES OF CONVENTIONAL CRUDE OIL ATTRIBUTABLE TO VARIOUS RECOVERY MECHANISMS AND THEIR RECOVERY FACTORS

This is a graphical presentation of data found in Table 2-3, columns 2, 3, 4, and 9.

G6 GEOLOGICAL DISTRIBUTION OF RESERVES OF CONVENTIONAL CRUDE OIL

This is a graphical presentation of Table 2-5, columns 2 and 3.

G7 GEOLOGICAL DISTRIBUTION OF RESERVES OF MARKETABLE GAS

This is a graphical presentation of Table 4-3, column 2 and the remainder of column 2 minus column 3.

G8 ADDITIONS TO ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL AND REPLACEMENT RATIO

This is a graphical presentation of Table 8-1, columns 4 and 6 and the quotient of column 4 divided by column 6 (replacement ratio). Where the replacement ratio is less than 1 (dotted line), the production exceeded the net addition to reserves for that year.

G9 REMAINING ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL AND RESERVES/PRODUCTION RATIO

This is a graphical presentation of Table 8-1, columns 8 and 6 and the quotient of column 8 divided by column 6 (reserves/production ratio).

G10 ADDITIONS TO ESTABLISHED RESERVES OF MARKETABLE GAS AND REPLACEMENT RATIO

This is a graphical presentation of Table 8-2, columns 3 and 5 and the quotient of column 3 divided by column 5 (replacement ratio). Where the replacement ratio is less than 1 (dotted line), the production exceeded the net addition to reserves for that year.

G11 REMAINING ESTABLISHED RESERVES OF MARKETABLE GAS AND RESERVES/PRODUCTION RATIO

This is a graphical presentation of Table 8-2, columns 7 and 5 and the quotient of column 7 divided by column 5 (reserves/production ratio).

G12 OIL AND GAS DEVELOPMENT WELLS

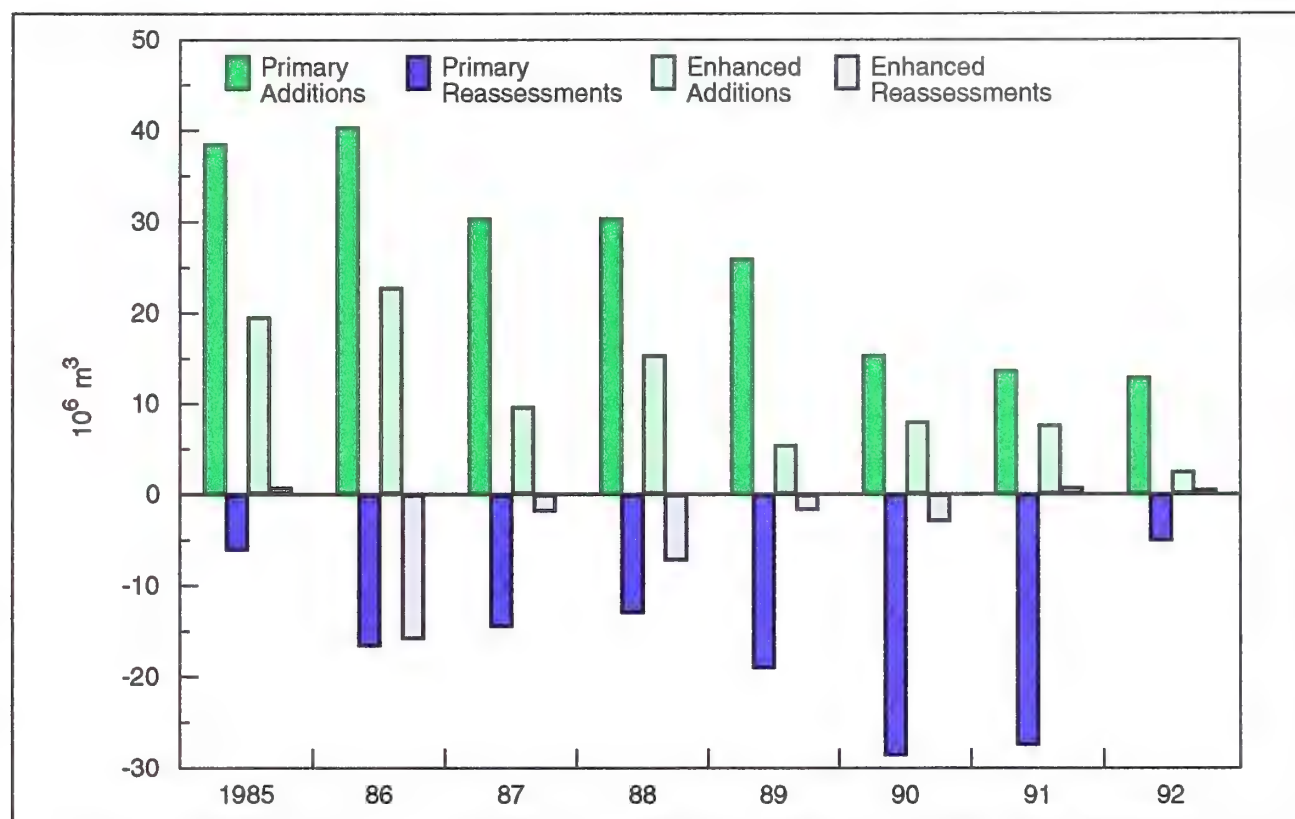
This is a graphical presentation of Table A-1, columns 1 and 4 and the quotient of Table A-2, column 1 divided by Table A-1, column 1; and Table A-2, column 4 divided by Table A-1, column 4.

G13 OIL AND GAS EXPLORATORY WELLS

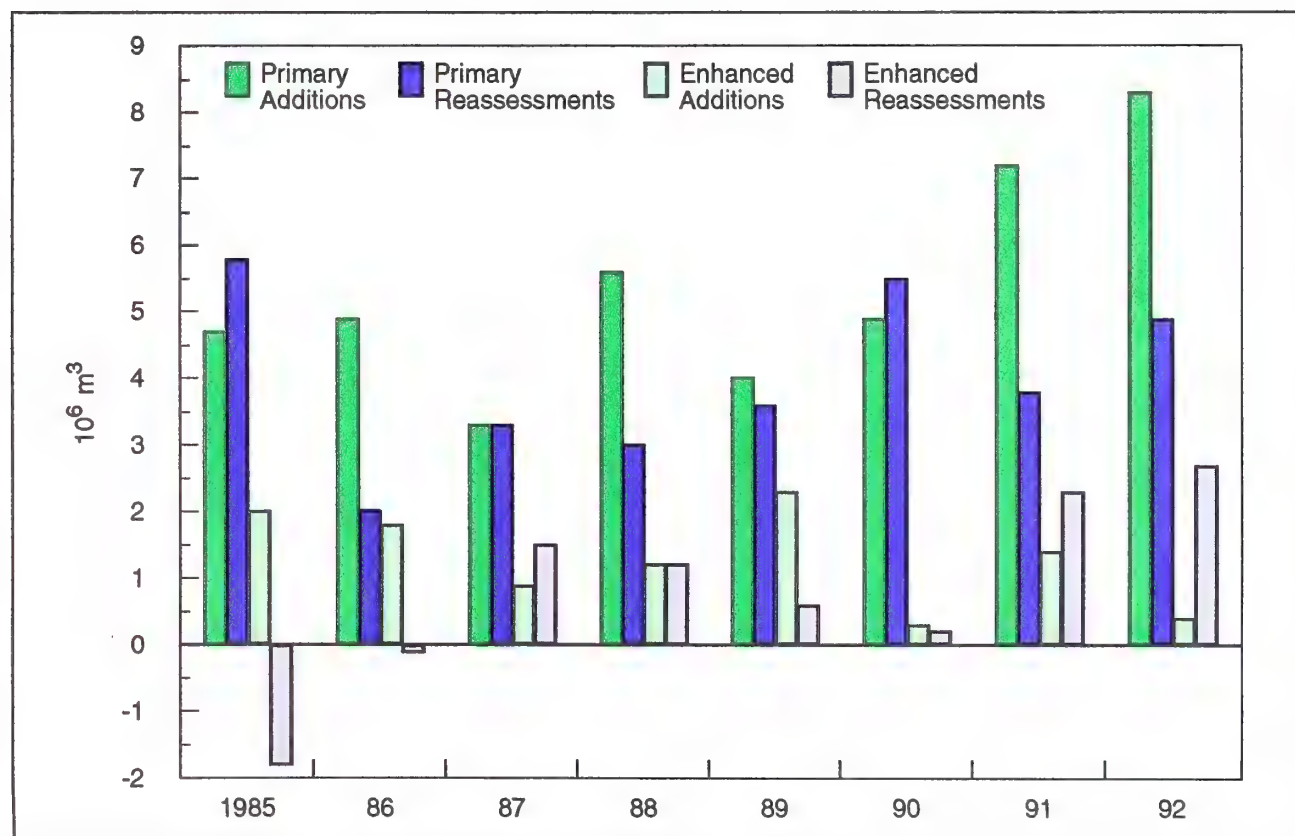
This is a graphical presentation of Table A-1, columns 6 and 8 and the quotient of Table A-2, column 6 divided by Table A-1, column 6; and Table A-2, column 8 divided by Table A-1, column 8.

G14 DEVELOPMENT AND EXPLORATORY WELLS

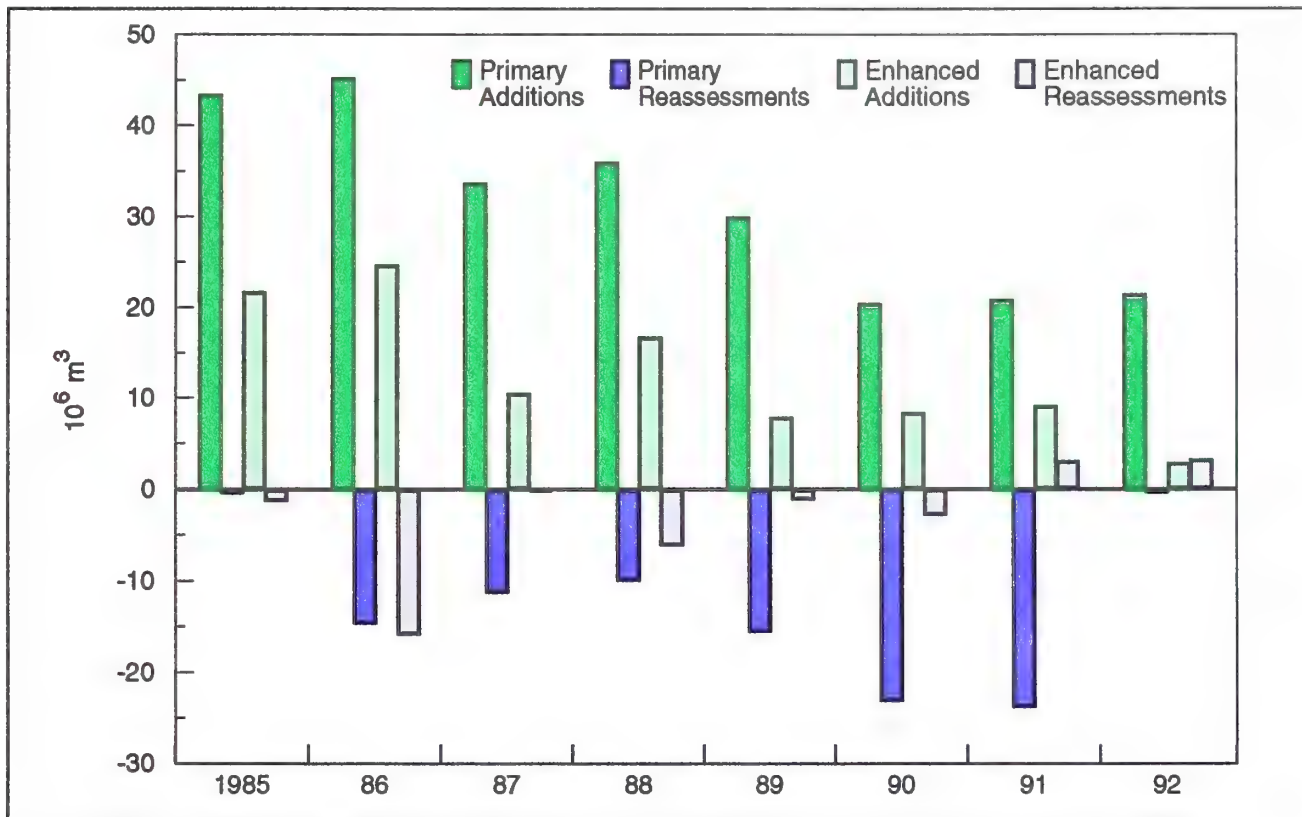
This is a graphical presentation of Table A-1, columns 5 and 9 and the quotient of Table A-2, column 5 divided by Table A-1, column 5; and Table A-2, column 9 divided by Table A-1, column 9.



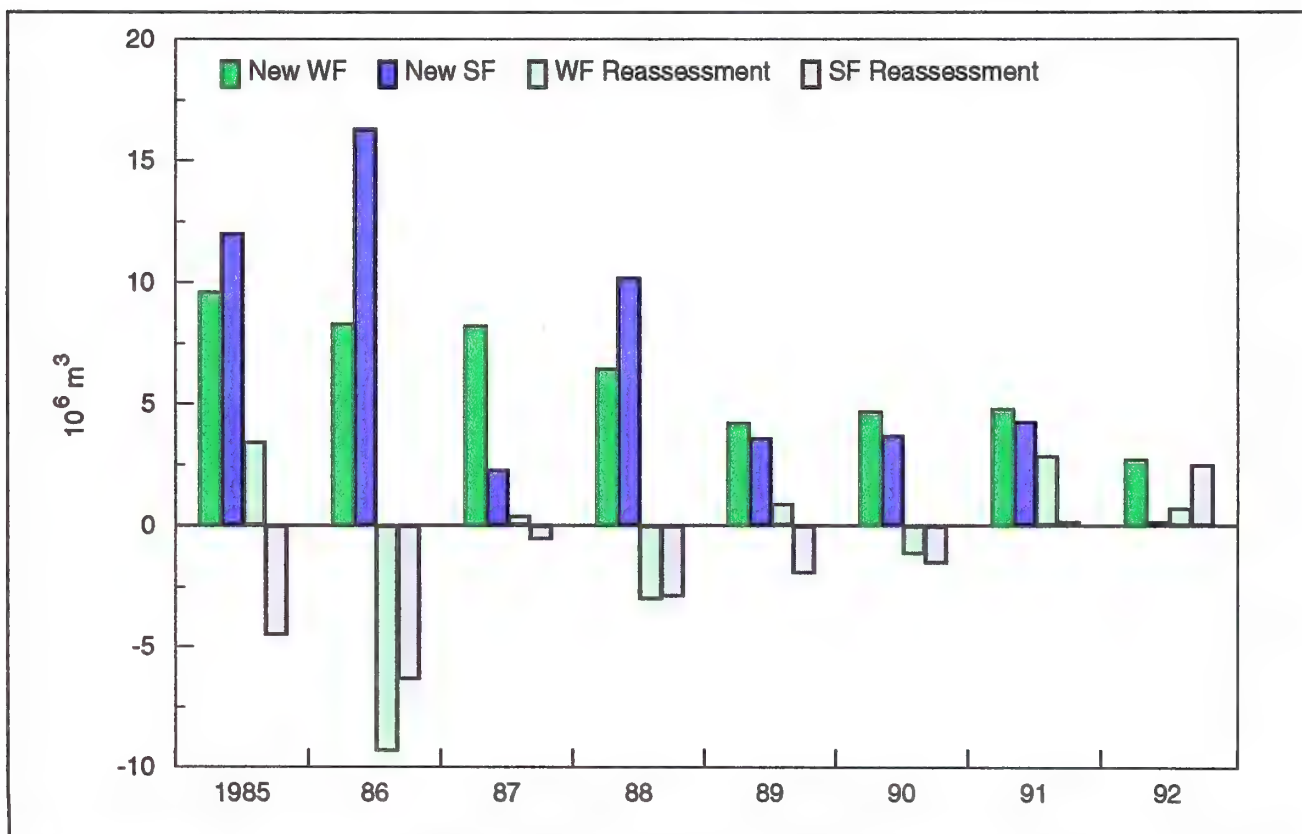
G1 LIGHT - MEDIUM OIL. Reserve Additions and Reassessments.



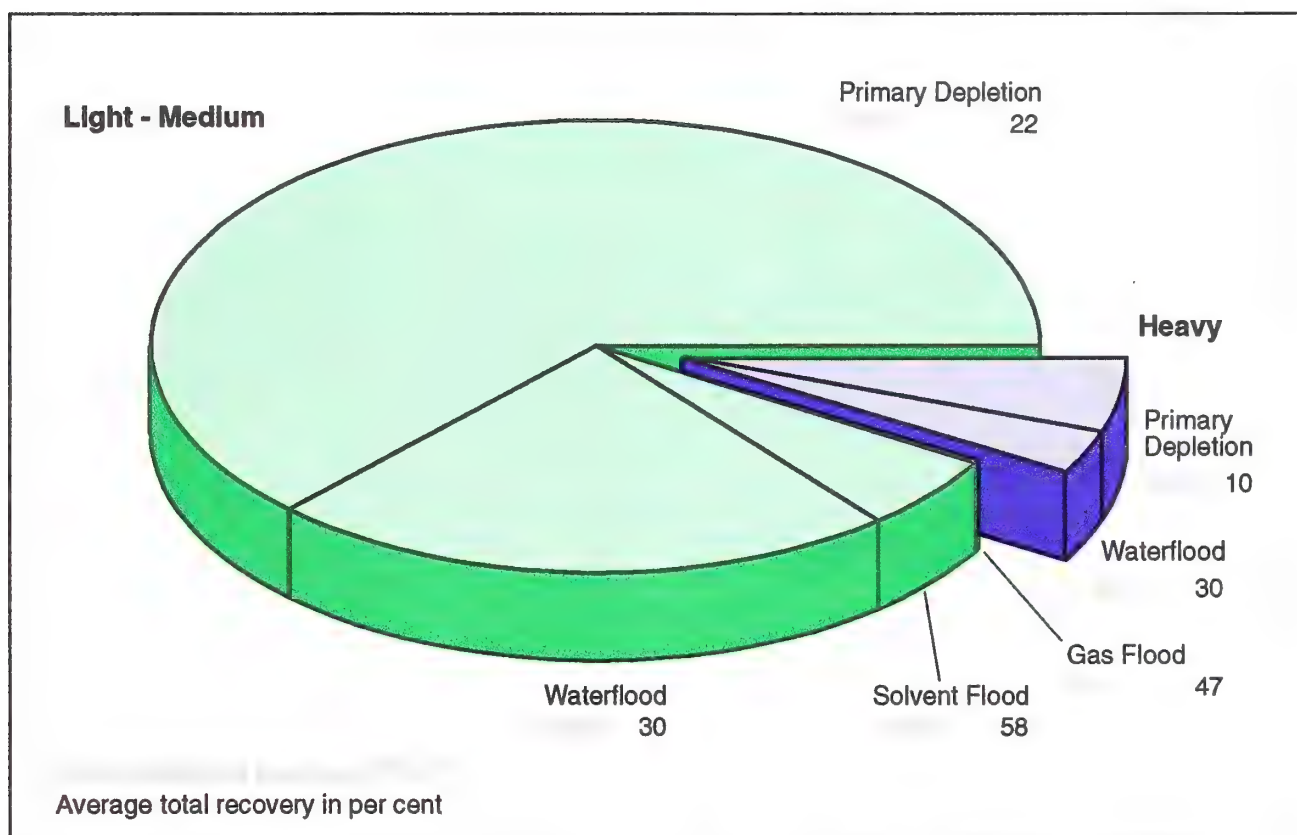
G2 HEAVY OIL. Reserve Additions and Reassessments.



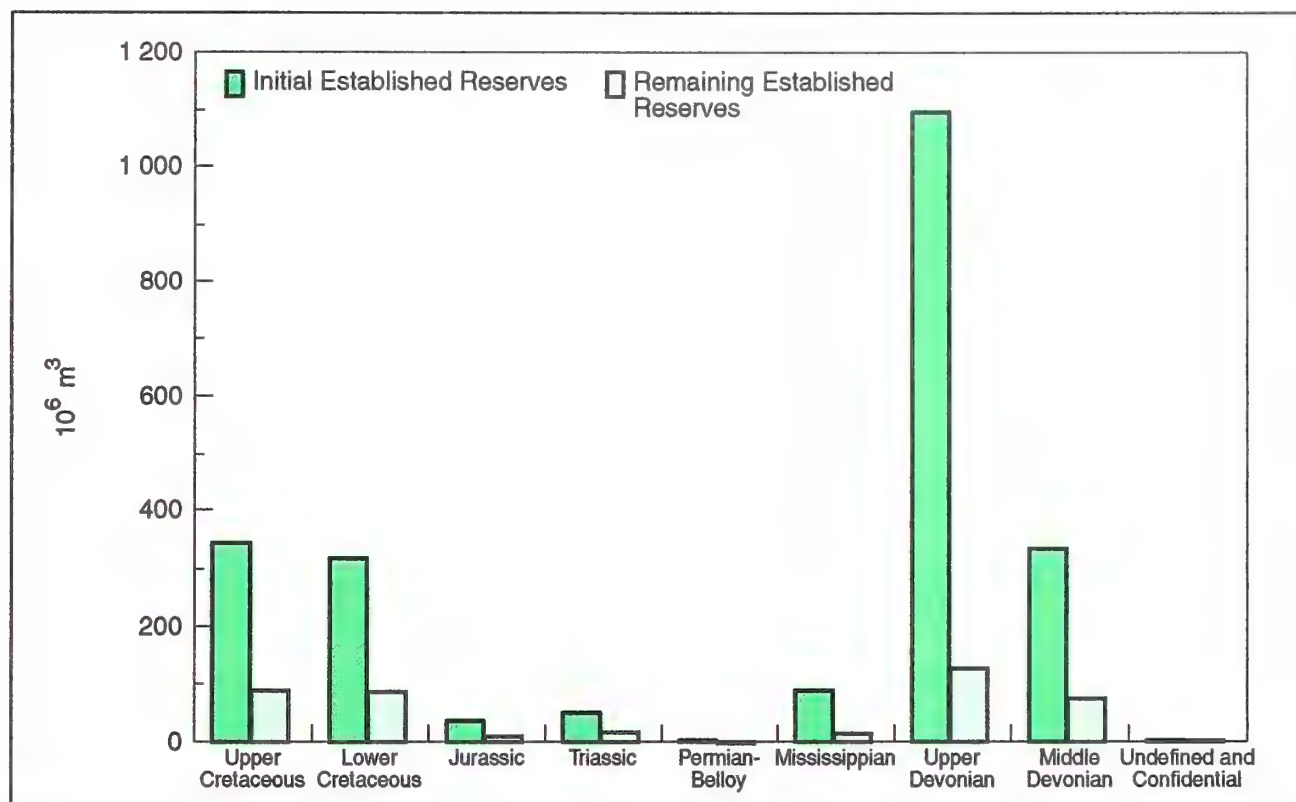
G3 TOTAL CONVENTIONAL OIL. Reserve Additions and Reassessments.



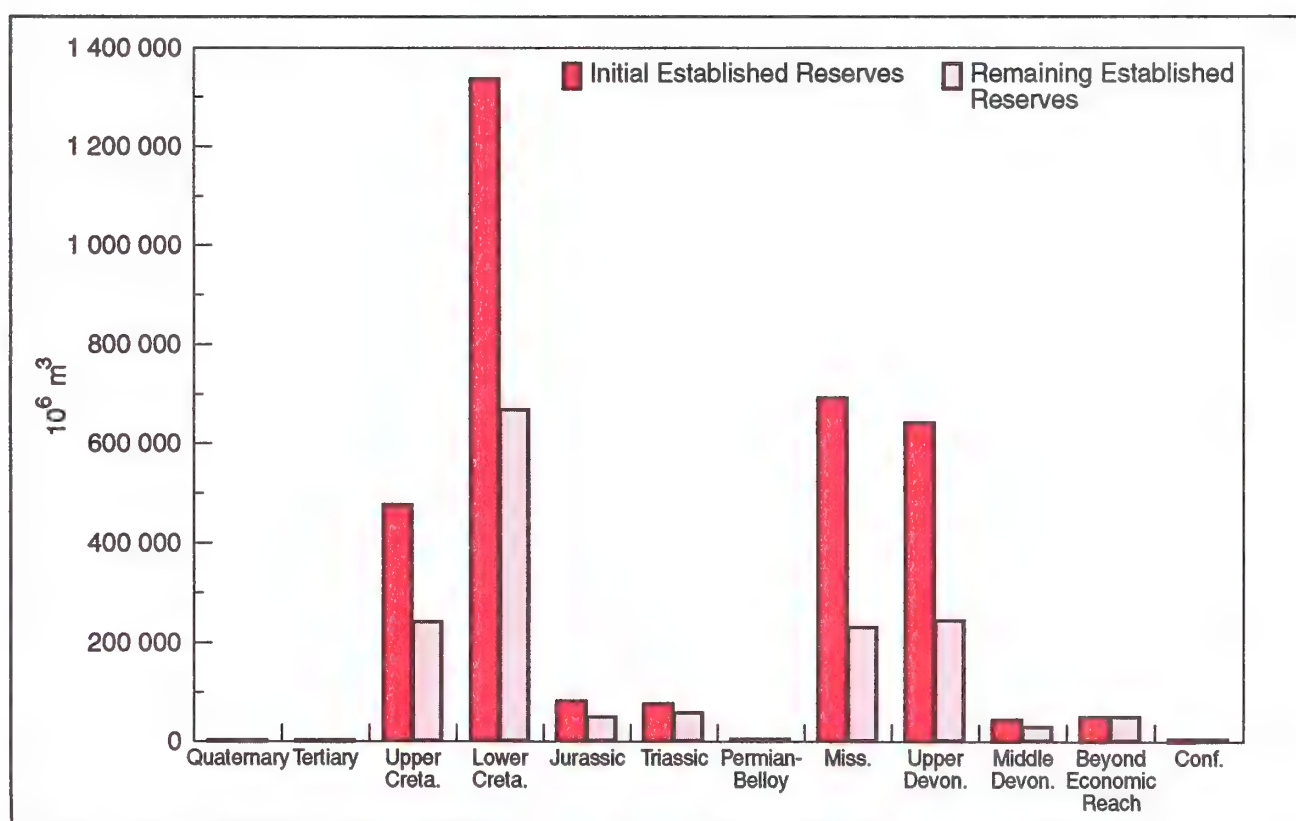
G4 CHANGES TO OIL RESERVES BY ENHANCED RECOVERY SCHEMES



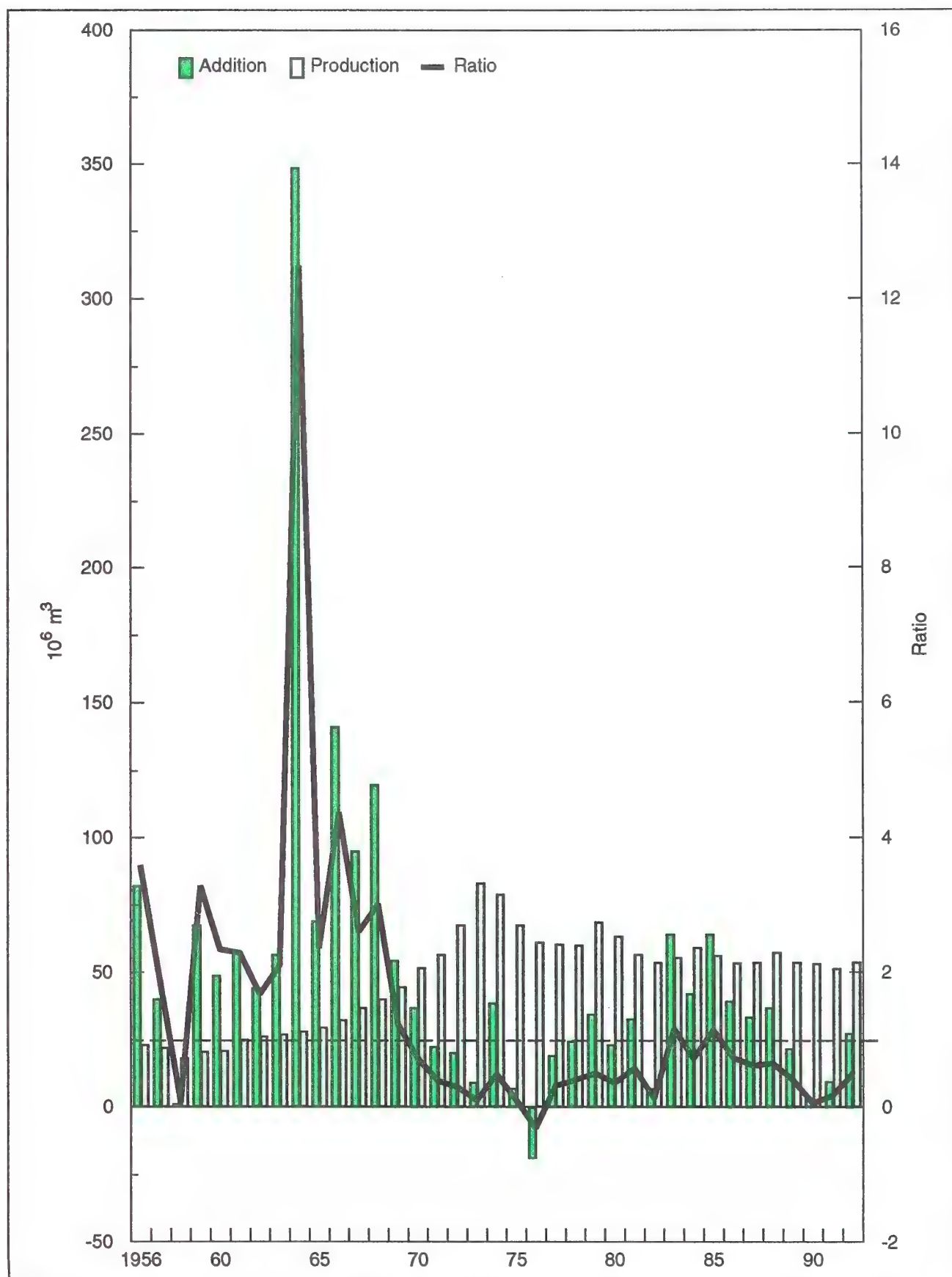
G5 RESERVES OF CONVENTIONAL CRUDE OIL ATTRIBUTABLE TO VARIOUS RECOVERY MECHANISMS AND THEIR RECOVERY FACTORS



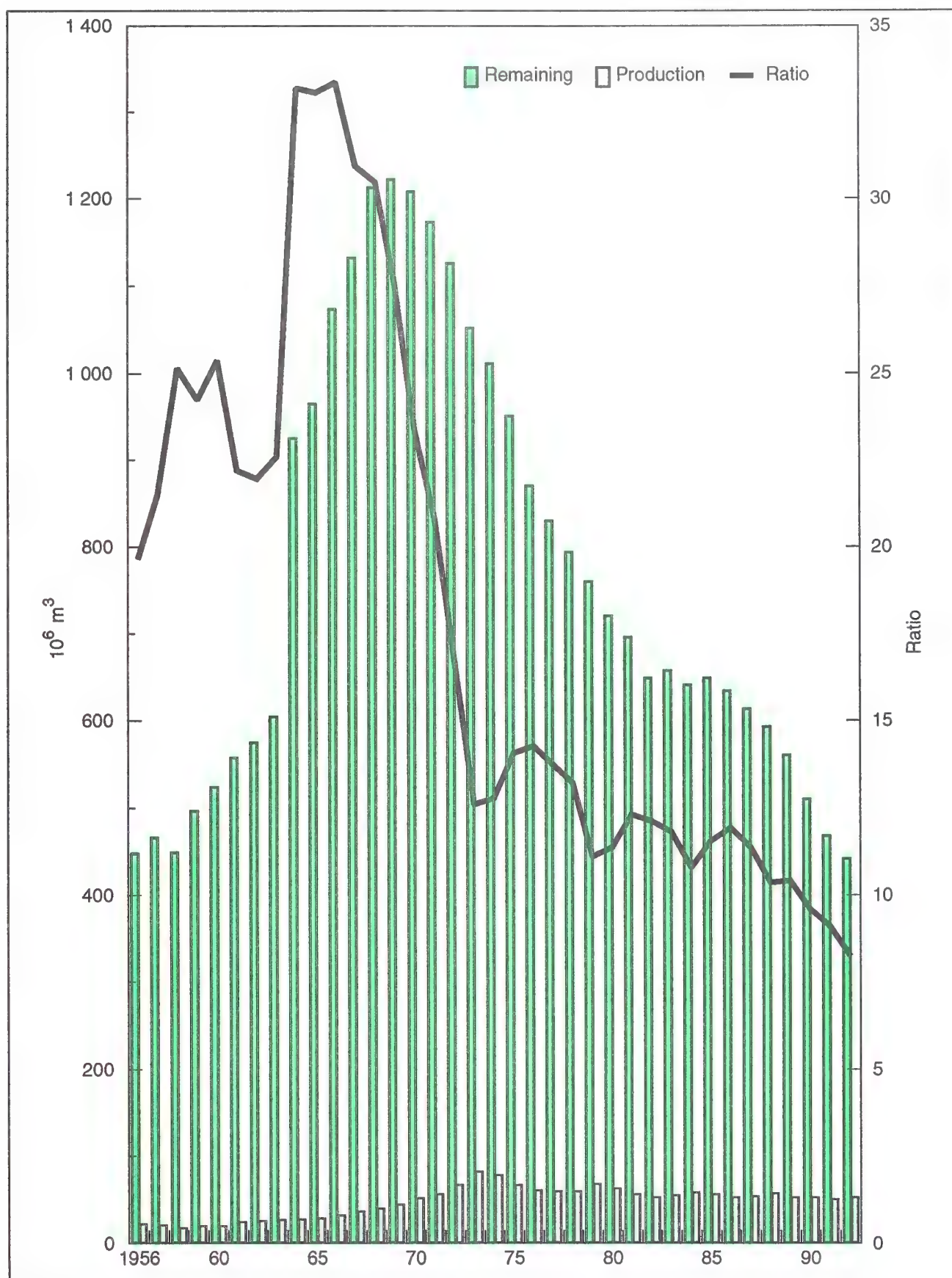
G6 GEOLOGICAL DISTRIBUTION OF RESERVES OF CONVENTIONAL CRUDE OIL



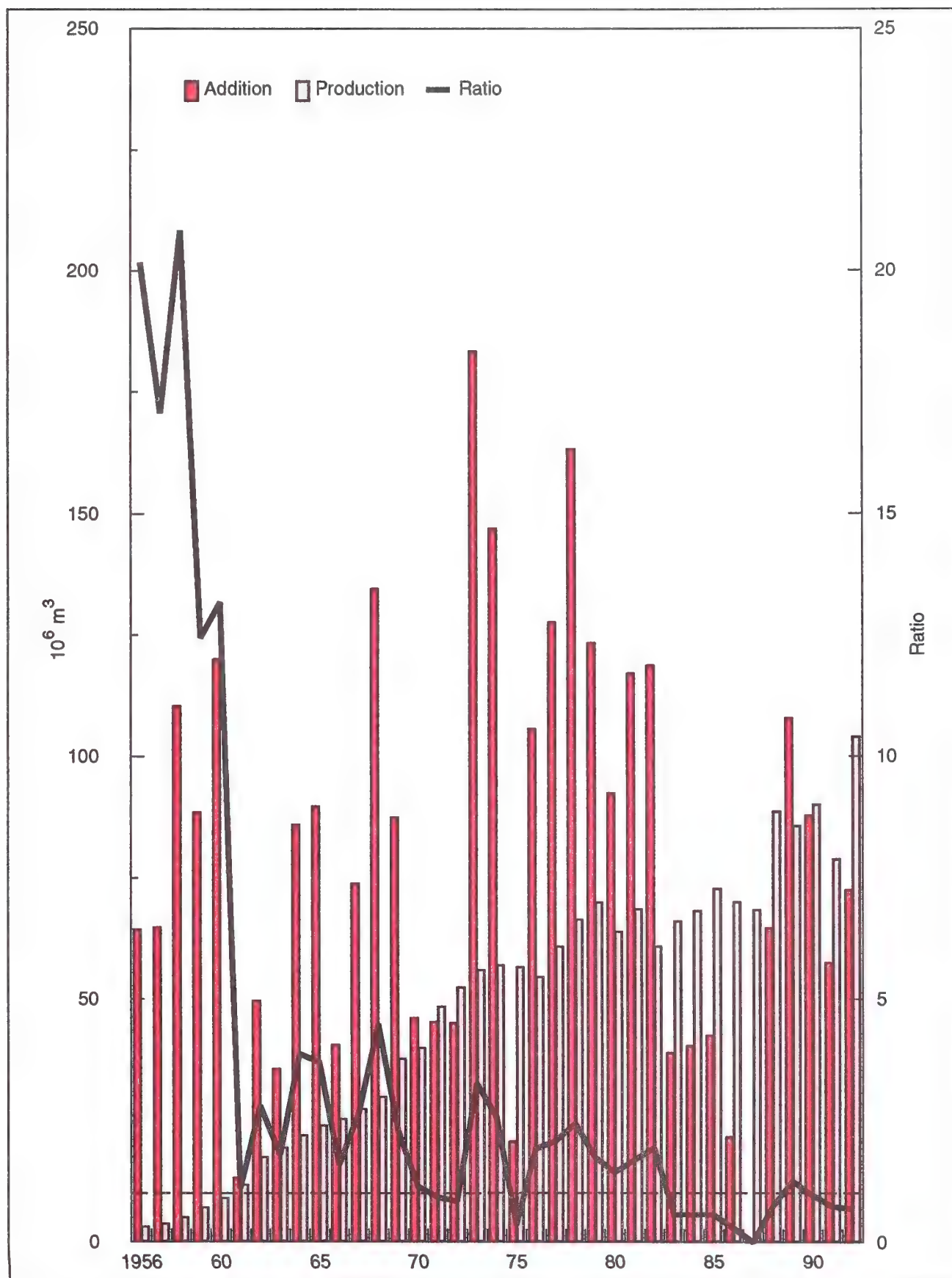
G7 GEOLOGICAL DISTRIBUTION OF RESERVES OF MARKETABLE GAS



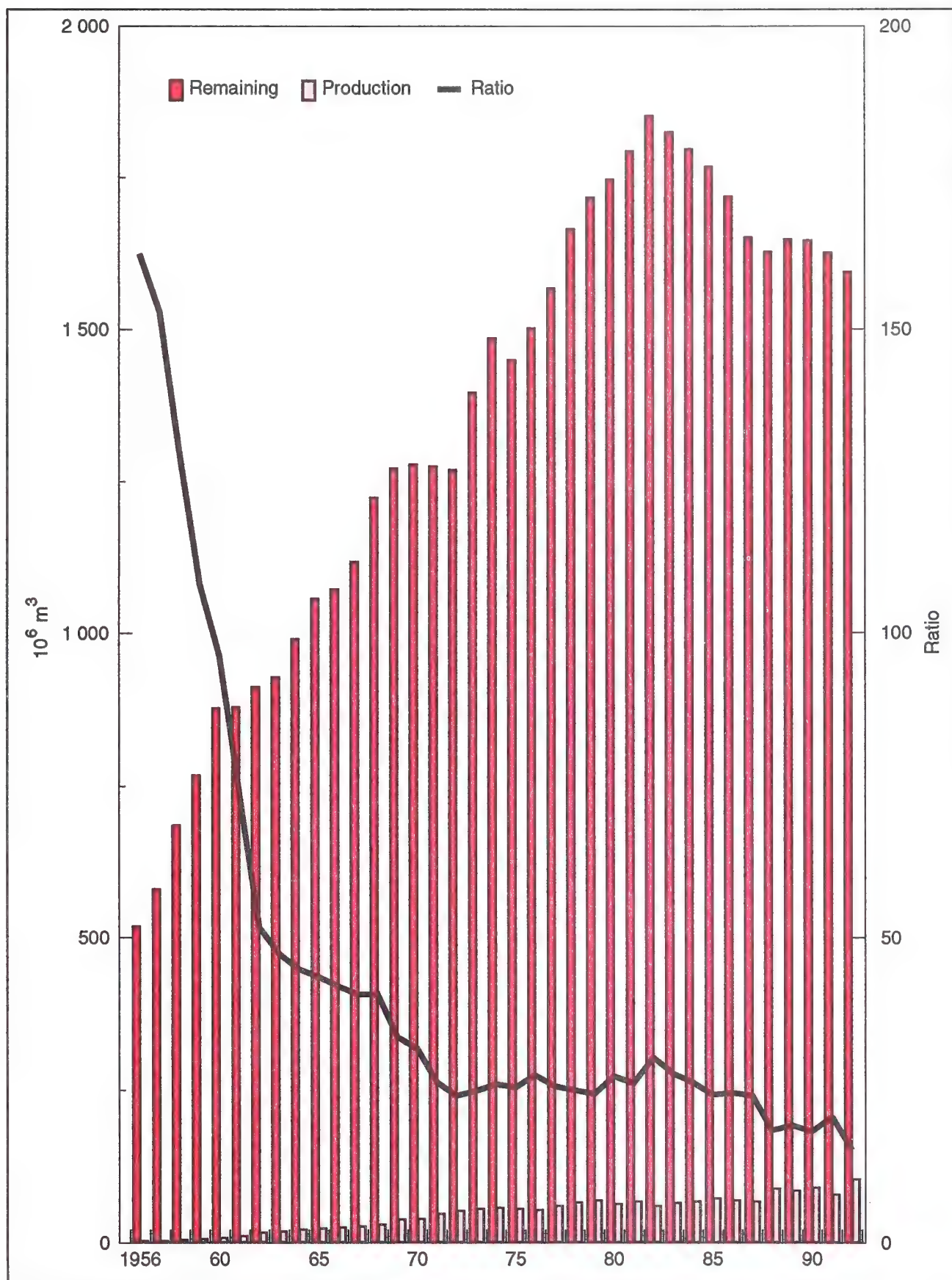
G8 ADDITIONS TO ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL AND REPLACEMENT RATIO



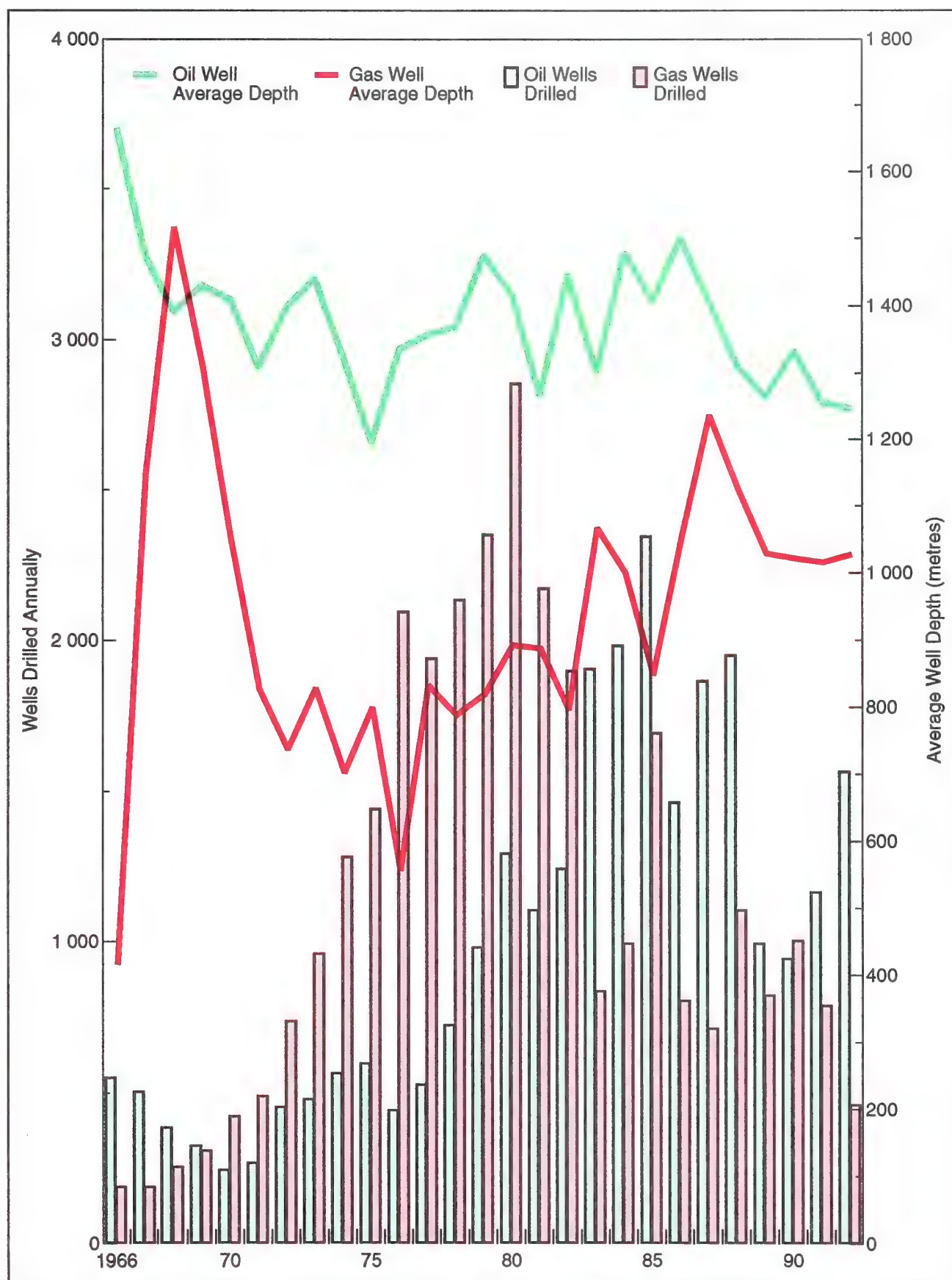
G9 REMAINING ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL AND RESERVES / PRODUCTION RATIO



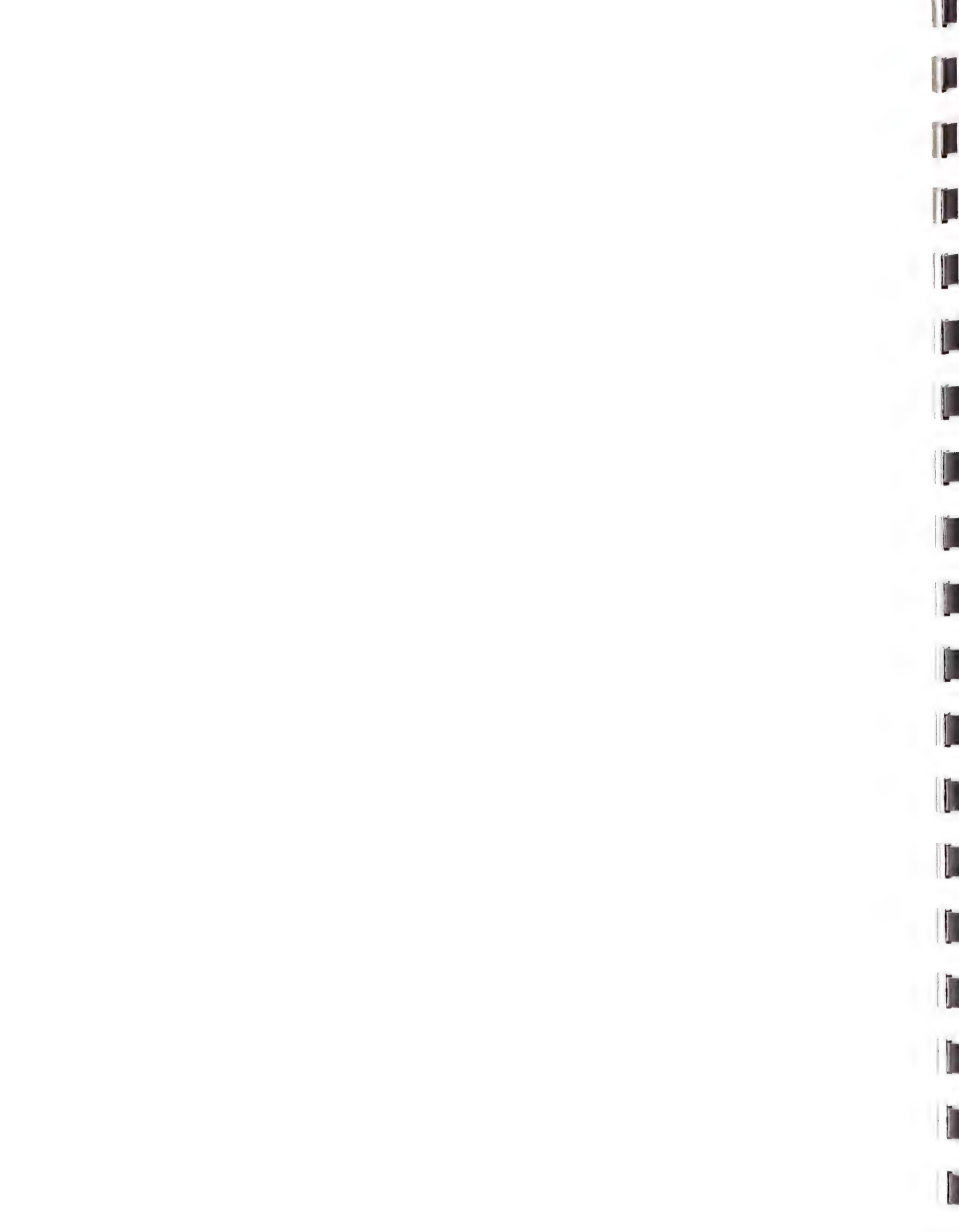
G10 ADDITIONS TO ESTABLISHED RESERVES OF MARKETABLE GAS AND REPLACEMENT RATIO

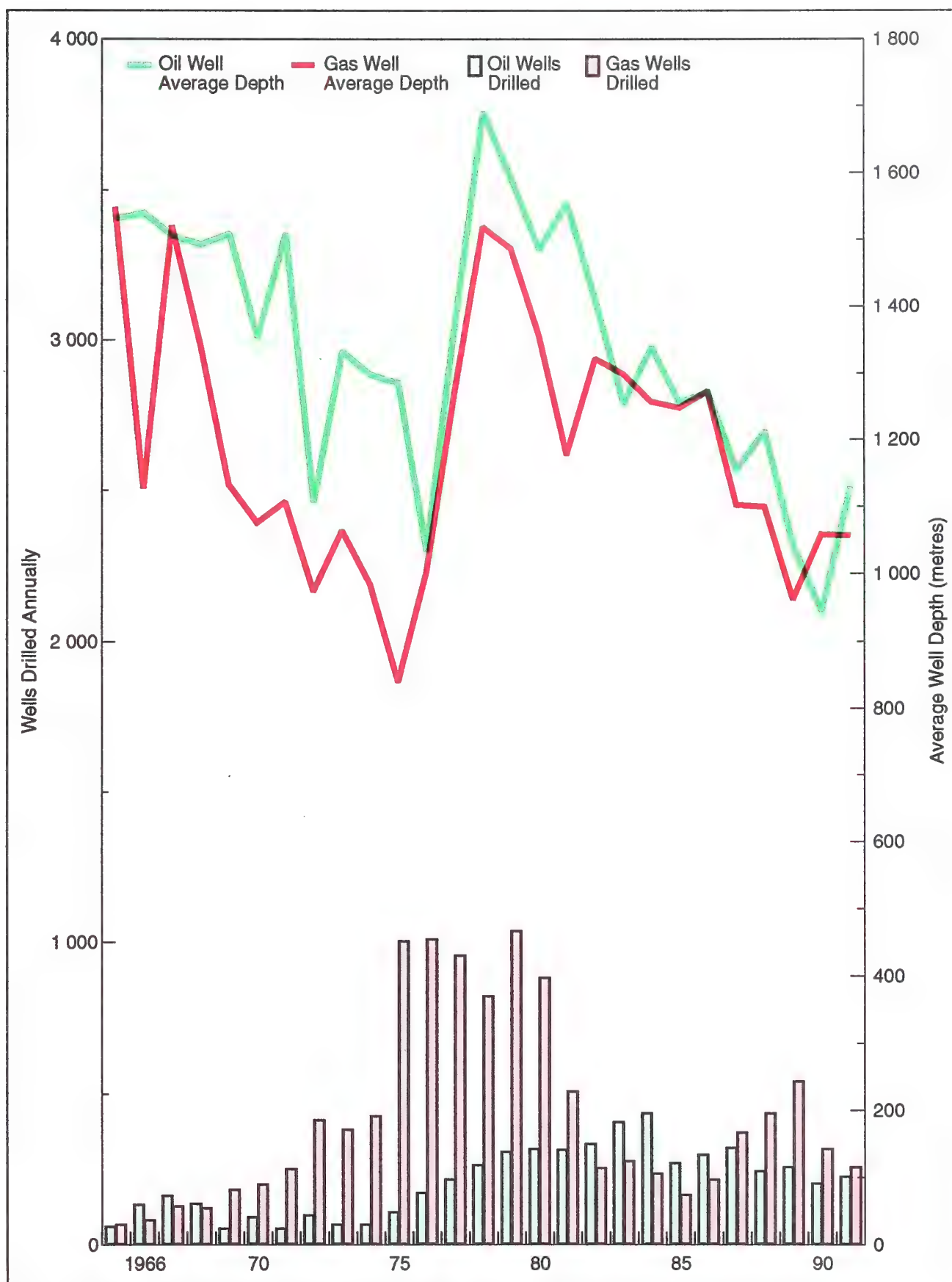


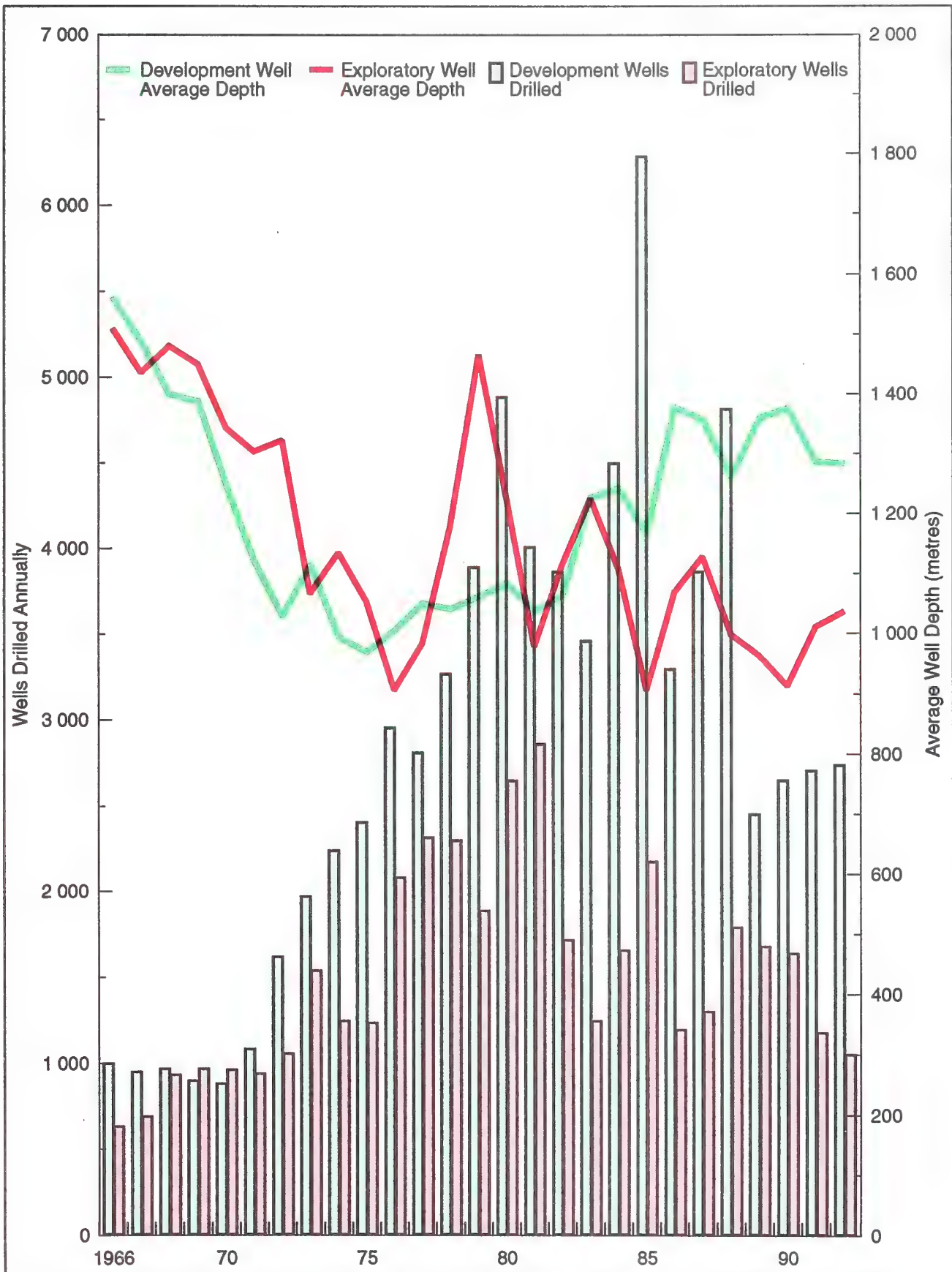
**G11 REMAINING ESTABLISHED RESERVES OF MARKETABLE GAS
AND RESERVES / PRODUCTION RATIO**



G12 OIL AND GAS DEVELOPMENT WELLS



**G13 OIL AND GAS EXPLORATORY WELLS**



G14 DEVELOPMENT AND EXPLORATORY WELLS





1 TERMINOLOGY

1.1 SI Units

Alberta's Reserves of Crude Oil, Oil Sands, Gas, Natural Gas Liquids, and Sulphur are presented in the International System of Units (SI). The provincial totals and a few other major totals are shown in both SI units and the imperial equivalents in the various tables.

Conversion factors used in calculating the imperial equivalents are listed below:

1 cubic metre of gas (101.325 kilopascals and 15° Celsius)	= 35.493 73 cubic feet of gas (14.65 psia and 60° Fahrenheit)
1 cubic metre of ethane (equilibrium pressure and 15° Celsius)	= 6.33 Canadian barrels of ethane (equilibrium pressure and 60° Fahrenheit)
1 cubic metre of propane (equilibrium pressure and 15° Celsius)	= 6.300 0 Canadian barrels of propane (equilibrium pressure and 60° Fahrenheit)
1 cubic metre of butanes (equilibrium pressure and 15° Celsius)	= 6.296 8 Canadian barrels of butanes (equilibrium pressure and 60° Fahrenheit)
1 cubic metre of oil or pentanes plus (equilibrium pressure and 15° Celsius)	= 6.292 9 Canadian barrels of oil or pentanes plus (equilibrium pressure and 60° Fahrenheit)
1 cubic metre of water (equilibrium pressure and 15° Celsius)	= 6.290 1 Canadian barrels of water (equilibrium pressure and 60° Fahrenheit)
1 tonne	= 0.984 206 4 (U.K.) long tons (2240 pounds)
1 tonne	= 1.102 311 short tons (2000 pounds)
1 kilojoule	= 0.948 213 3 British thermal units (Btu as defined in the federal Gas Inspection Act (60°–61° Fahrenheit))

1.2 Reserves Terminology

The reserves terminology used in this report applies to all fossil energy resources (including coal) and is as follows:

- 1 **Initial Volume in Place:** The gross volume of crude oil, crude bitumen, or raw natural gas calculated or interpreted to exist in a reservoir before any volume has been produced.
- 2 **Established Reserves:** Those reserves recoverable under current technology and present and anticipated economic conditions, specifically proved by drilling, testing, or production; plus that judgement portion of contiguous recoverable reserves that are interpreted from geological, geophysical, or similar information, with reasonable certainty to exist.
- 3 **Initial Established Reserves:** Established reserves prior to the deduction of any production.
- 4 **Remaining Established Reserves:** Initial established reserves less cumulative production.
- 5 **Ultimate Potential:** An estimate of the initial established reserves that will have been developed in an area by the time all exploratory and development activity has ceased, having regard for the geological prospects of that area and anticipated technology and economic conditions.

Ultimate potential includes cumulative production, remaining established reserves, and future additions through extensions and revisions to existing pools and the discovery of new pools. Ultimate potential can be expressed by the following simple formula:

$$\begin{aligned} \text{Ultimate potential} &= \text{initial established reserves} \\ &+ \text{additions to existing pools} \\ &+ \text{future discoveries.} \end{aligned}$$

The above terminology and definitions, which were recommended by the Inter-Provincial Advisory Committee on Energy, have been adopted by the Board.

1.3 Definitions of Other Terms

Area	The area used to determine the bulk rock volume of the oil-, crude bitumen-, or gas-bearing reservoir, usually the area of the zero isopach or the assigned area of a pool or deposit.
Butanes	In addition to its normal scientific meaning, a mixture mainly of butanes which ordinarily may contain some propane or pentanes plus. (Oil and Gas Conservation Act, section 1(1)(c.1))
Compressibility Factor	A correction factor for non-ideal gas determined for gas from a pool at its initial reservoir pressure and temperature and, where necessary, including factors to correct for acid gases.

Condensate	A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or recoverable through a well from an underground reservoir and that may be gaseous in its virgin reservoir state but is liquid at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(d.1))
Crude Bitumen	A naturally occurring viscous mixture, mainly of hydrocarbons heavier than pentane, that may contain sulphur compounds and that, in its naturally occurring viscous state, will not flow to a well. (Oil Sands Conservation Act, section 1(1)(c))
Crude Oil (Conventional)	A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or is recoverable at a well from an underground reservoir, and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so recovered or recoverable except raw gas or condensate. (Oil and Gas Conservation Act, section 1(1)(f.1))
Crude Oil (Heavy)	Crude oil will be deemed to be heavy crude oil if it has a density of 900 kg/m^3 or more, but the Board, in a particular case, may classify crude oil otherwise than in accordance with this criterion, having regard to its market utilization and purchasers' classification. (Oil and Gas Conservation Regulations 10.030)
Crude Oil (Light-Medium)	Crude oil will be deemed to be light-medium crude oil if it has a density of less than 900 kg/m^3, but the Board, in a particular case, may classify crude oil otherwise than in accordance with this criterion, having regard to its market utilization and purchasers' classification. The light-medium classification is synonymous with the light classification referred to in ERCB Report 88-E, Alberta Oil Supply, 1988–2003.
Crude Oil (Synthetic)	A mixture, mainly of pentanes and heavier hydrocarbons, that may contain sulphur compounds, that is derived from crude bitumen and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so derived. (Oil and Gas Conservation Act, section 1(1)(t.1))
Density	The mass or amount of matter per unit volume.

Density, Relative (Raw Gas)	The density, relative to air, of raw gas upon discovery, determined by an analysis of a gas sample representative of a pool under atmospheric conditions.
Discovery Year	The year in which the well which discovered the oil or gas pool finished drilling.
Ethane	In addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane. (Oil and Gas Conservation Act, section 1(1)(h.1))
Gas	Raw gas or marketable gas or any constituent of raw gas, condensate, crude bitumen, or crude oil that is recovered in processing and that is gaseous at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(j.1))
Gas (Associated)	Gas in a free state in communication in a reservoir with crude oil, under initial reservoir conditions.
Gas (Marketable)	A mixture mainly of methane originating from raw gas, if necessary through the processing of the raw gas for the removal or partial removal of some constituents, and which meets specifications for use as a domestic, commercial, or industrial fuel or as an industrial raw material. (Oil and Gas Conservation Act, section 1(1)(m))
Gas (Marketable at 101.325 kPa and 15°C)	The equivalent volume of marketable gas at standard conditions.
Gas (Non-associated)	Gas that is not in communication in a reservoir with an accumulation of liquid hydrocarbons at initial reservoir conditions.
Gas (Raw)	A mixture containing methane, other paraffinic hydrocarbons, nitrogen, carbon dioxide, hydrogen sulphide, helium, and minor impurities, or some of them, which is recovered or is recoverable at a well from an underground reservoir and which is gaseous at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(s.1))
Gas (Solution)	Gas that is dissolved in crude oil under reservoir conditions and evolves as a result of pressure and temperature changes.

Gas-Oil Ratio (Initial Solution)	The volume of gas (in cubic metres, measured under standard conditions) contained in one stock-tank cubic metre of oil under initial reservoir conditions.
Good Production Practice (GPP)	Production of crude oil or raw gas at a rate (i) not governed by a specific rate restriction, but (ii) limited to what can be produced under a pool or area depletion plan without adversely and significantly affecting conservation and the prevention of waste. (Oil and Gas Conservation Regulation 1.020(2)9) This practice is authorized by the Board either to improve the economics of production from a pool and thus defer its abandonment, or to avoid unnecessary administrative expense associated with regulation or production restrictions where this serves little or no purpose.
Gross Heating Value (of dry gas)	The heat liberated by burning moisture-free gas at standard conditions and condensing the water vapour to a liquid state.
Helium	In addition to its normal scientific meaning, a mixture mainly of helium which ordinarily may contain some nitrogen and methane. (Oil and Gas Conservation Act, section 1(1)(k))
Maximum Rate Limitation (MRL)	The maximum rate of production prescribed for the avoidance of waste, after application of any applicable penalty factor.
Mean Formation Depth	The approximate average depth below kelly bushing of the mid-point of an oil or gas productive zone for the wells in a pool.
Methane	In addition to its normal scientific meaning, a mixture mainly of methane which ordinarily may contain some ethane, nitrogen, helium, or carbon dioxide. (Oil and Gas Conservation Act, section 1(1)(m.1))
Natural Gas Liquids	Propane, butanes, or pentanes plus, or a combination of them, obtained from the processing of raw gas or condensate. (Oil and Gas Conservation Act, section 1(1)(n))

Oil	Condensate or crude oil, or a constituent of raw gas, condensate, or crude oil that is recovered in processing, that is liquid at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(n.1))
Oil Sands	(i) sands and other rock materials containing crude bitumen, (ii) the crude bitumen contained in those sands and other rock materials, and (iii) any other mineral substances, other than natural gas, in association with that crude bitumen or those sands and other rock materials referred to in subclauses (i) and (ii). (Oil Sands Conservation Act, section 1(l)(n))
Oil Sands Deposit	A natural reservoir containing or appearing to contain an accumulation of oil sands separated or appearing to be separated from any other such accumulation. (Oil and Gas Conservation Act, section 1(1)(o.1))
Pay Thickness (Average)	The bulk rock volume of a reservoir of oil, oil sands, or gas, divided by its area.
Pentanes Plus	A mixture mainly of pentanes and heavier hydrocarbons which ordinarily may contain some butanes and which is obtained from the processing of raw gas, condensate, or crude oil. (Oil and Gas Conservation Act, section 1(1)(p))
Pool	A natural underground reservoir containing or appearing to contain an accumulation of oil or gas or both separated or appearing to be separated from any other such accumulation. (Oil and Gas Conservation Act, section 1(1)(q))
Porosity	The effective pore space of the rock volume determined from core analysis and well log data, measured as a fraction of rock volume.
Pressure (Initial)	The reservoir pressure at the reference elevation of a pool upon discovery.
Propane	In addition to its normal scientific meaning, a mixture mainly of propane which ordinarily may contain some ethane or butanes. (Oil and Gas Conservation Act, section 1(1)(s))

Recovery (Enhanced)	Recovery of oil, gas, or natural gas liquids by the implementation of an artificially improved depletion process over a part or the whole of a pool, measured as a volume or fraction; the additional oil, gas, or natural gas liquids so recovered. (Oil and Gas Conservation Act, section 1(1)(h))
Recovery (Pool)	In gas pools, the fraction of the in-place reserves of gas expected to be recovered under the subsisting recovery mechanism.
Recovery (Primary)	Recovery of oil by natural depletion processes only, measured as a volume so recovered or a fraction of the in-place oil.
Saturation (Gas)	The fraction of pore space in the reservoir rock occupied by gas upon discovery.
Saturation (Water)	The fraction of pore space in the reservoir rock occupied by water upon discovery.
Shrinkage Factor	The volume occupied by one cubic metre of oil from a pool, measured at standard conditions after flash gas liberation consistent with the surface separation process, divided by the volume occupied by the same oil and gas at the pressure and temperature of a pool upon discovery.
Solvent	A suitable mixture of hydrocarbons ranging from methane to pentanes plus, but consisting largely of methane, ethane, propane, and butanes, for use in enhanced-recovery operations.
Surface Loss	A summation of the fractions of recoverable gas that is removed as acid gas and liquid hydrocarbons, used as lease or plant fuel, or flared.
Temperature	The initial reservoir temperature upon discovery at the reference elevation of a pool.
Zone	Any stratum or any sequence of strata that is designated by the Board as a zone. (Oil and Gas Conservation Act, section 1(1)(z))

1.4 Standard Conditions of Gas Measurement

Volumes of gas are given as at a standard pressure and temperature of 101.325 kPa and 15°C, respectively.

1.5 Symbols

The symbols used in tables throughout this report have the following meanings:

SI

°C	degree Celsius	M	mega
d	day	m	metre
ha	hectare	mol	mole
J	joule	T	tera
kg	kilogram	t	tonne
kPa	kilopascal		

Imperial

bbl	barrel	°F	degree Fahrenheit
Btu	British thermal unit	psia	pounds per square inch absolute
cf	cubic foot	psig	pounds per square inch gauge
d	day	stb	stock-tank barrel

1.6 Abbreviations

General Report

GIP	gas in place
GPP	good production practice
MER	maximum efficient rate
MRL	maximum rate limitation
RF	recovery factor
RGE	range
STP	standard temperature and pressure
TWP	township
WM	west of a certain meridian

Computer Printout

General abbreviations, found chiefly in the computer printout, have the following meanings:

ABAND	abandoned
ADMIN 2	Administrative Area No. 2
ASSOC	associated gas
BDY	Boundary
BELL	Belloy
BER	beyond economic reach
BLAIR	Blairmore
BLSKY OR BLSK	Bluesky
BLUE	Blueridge
BNFF	Banff

BOW ISL or BI
 BR
 BSL COLO
 BSL MANN, BMNV or BMN
 BSL QTZ
 CADM or CDN
 CARD
 CDOT
 CH LK
 CLWTR
 CLY or COL
 CMRS
 COMP
 DBLT
 DETR
 DISC YEAR
 ELRSL, ELERS or ELRS
 ELTN or ELK
 ERSO

FALH
 FRAC
 GEN PETE or GEN PET
 GETH or GET
 GLAUC or GLC
 GLWD
 GOR
 GRD RAP or GRD RP
 GROSS HEAT VALUE
 GSMT
 ha
 HFWY
 INJ
 I.S.
 JUR or J
 KISK
 KR
 LED
 LF
 LIV
 LLOYD
 LMNV, LMN or LM
 LOC EX PROJECT
 LOC U
 LOW or L
 LUSC
 MANN or MN
 MCM

Bow Island
 Belly River
 Basal Colorado
 Basal Mannville
 Basal Quartz
 Cadomin
 Cardium
 Cadotte
 Charlie Lake
 Clearwater
 Colony
 Camrose
 compressibility
 Debolt
 Detrital
 discovery year
 Ellerslie
 Elkton
 enhanced-recovery scheme is in operation but no additional established reserves are attributed
 Falher
 fraction
 General Petroleum
 Gething
 Glauconitic
 Gilwood
 gas-oil ratio
 Grand Rapids
 gross heating value
 Grosmont
 hectare
 Halfway
 injected
 integrated scheme
 Jurassic
 Kiskatinaw
 Keg River
 Leduc
 load factor
 Livingston
 Lloydminster
 Lower Mannville
 local experimental project
 local utility
 lower
 Luscar
 Mannville
 McMurray

MED HAT	Medicine Hat
MID or M	middle
MILK RIV	Milk River
MOP	maximum operating pressure
MSKG	Muskeg
NGL	natural gas liquids
NIKA	Nikanassin
NIS	Nisku
NO.	number
NON-ASSOC	non-associated gas
NORD	Nordegg
NOTIK, NOTI or NOT	Notikewin
OST	Ostracod
PALL	Palliser
PEK	Pekisko
PM-PN SYS	Permo-Penn System
RF	recovery factor
RK CK	Rock Creek
RUND or RUN	Rundle
SA	strike area
SATN	saturation
SD	sandstone
SE ALTA GAS SYS (MU)	Southeastern Alberta Gas System — commingled
SG	gas saturation
SHUN	Shunda
SL	surface loss
SL PT	Slave Point
SOLN	solution gas
SPKY	Sparky
ST. ED	St. Edouard
SULPT	Sulphur Point
SUSP	suspended
SW	water saturation
SW HL	Swan Hills
TEMP	temperature
TOT	Total
TV	Turner Valley
TVD	true vertical depth
UIRE	Upper Ireton
UMNV, UMN or UM	Upper Mannville
UP or U	upper
VIK or VK	Viking
VOL	volume
WAB	Wabamun
WBSK	Wabiskaw
WINT	Winterburn
WTR DISP	water disposal
WTR INJ	water injection

1ST WHITE SPKS OR 1WS
2WS

First White Specks
Second White Specks

Company Names

The following is a list of abbreviations which are used for certain company names:

AEC	Alberta Energy Co. Ltd.
AEL	Anderson Exploration Ltd.
A&S	Alberta and Southern Gas Co. Ltd.
ALT/ROA	Altana Exploration Company/Roan Resources Ltd.
AMEAGLE	American Eagle Petroleums Ltd.
AMERADA	Amerada Minerals Corporation of Canada Ltd.
AMOCO	Amoco Canada Petroleum Company Ltd.
ATCOR	ATCOR Ltd.
BARRING	Barrington Petroleum Ltd.
BLUERGE	Blue Range Resource Corporation
BP	BP Resources Canada Limited
BVI	Bow Valley Industries Ltd.
CANOR	Canor Energy Ltd.
CANOXY	Canadian Occidental Petroleum Ltd.
CANST	CanStates Energy
CENTRA	Centra Gas Alberta Inc.
CHEL	Canadian Hunter Exploration Ltd.
CIMRON	Cimarron Petroleum Ltd.
CMG	Canadian-Montana Gas Company Limited
CNG	Consolidated Natural Gas Limited
CNRL	Canadian Natural Resources Limited
CNWE	Canada Northwest Energy Ltd.
CONOCO	Conoco Canada Limited
CONTIN	Continental Energy Marketing Ltd.
CRESTAR	Crestar Energy Inc.
CTYMEDH	City of Medicine Hat
CWNGNUL	Canadian Western Natural Gas Company Limited and Northwestern Utilities Limited
DART	Dartmouth Power Associates Limited Partnership
DEKALB	DEKALB Energy Canada Ltd.
DIRECT	Direct Energy Marketing Ltd.
DYNALTA	Dynalta Energy Corporation
EMI	EMI Pawtucket Inc.
ENCOR	Encor Inc.
ESSO	Esso Resources Canada Limited
GARDNER	Gardiner Oil and Gas Limited
GULF	Gulf Canada Resources Limited
HILL	Hillcrest Resources Ltd.
HOME	Home Oil Company Limited
HUSKY	Husky Oil Ltd.
INVRNS	Inverness Petroleum Ltd.

KANNGAZ	KannGaz Producers Ltd.
LOMALTA	Lomalta Petroleums Ltd.
LUSCAR	Luscar Ltd.
METGAZ	Metro Gaz Marketing Inc.
MOBIL	Mobil Oil Canada
MORRIS	Morrison Petroleums Ltd.
NCMI	North Canadian Marketing Inc.
NORCEN	Norcen Energy Resources Limited
NOVER	Novergaz Inc.
NRTHRGE	Northridge Petroleum Marketing Inc.
NRTHSTR	Northstar Energy Corporation
OMV	OMV (Canada) Ltd.
OPINAC	Opinac Exploration Limited
PANALTA	Pan-Alberta Gas Ltd.
PANCDN	PanCanadian Petroleum Limited
PARAMNT	Paramount Resources Ltd.
PCI	Petro-Canada Inc.
PETRORP	Petrorep (Canada) Ltd.
PINCL	Pinnacle Resources Ltd.
POCO	Poco Petroleums Limited
PROGAS	ProGas Limited
RENENER	Renaissance Energy Ltd.
RIFE	Rife Resources Ltd.
RIOALTO	Rio Alta Exploration Ltd.
SASKEN	SaskEnergy Corporation
SASKOIL	Saskatchewan Oil and Gas Corporation
SCEPTRE	Sceptre Resources Ltd.
SHAMAN	Shaman Energy Corporation
SHELL	Shell Canada Limited
SHERRIT	Sherritt Gordon Limited
SIMPLOT	Simplot Canada Limited
SUMMIT	Summit Resources Limited
SUNCOR	Suncor Inc. Oil Sands Group
SYNCRUDE	Syncrude Canada Ltd.
TARRAGN	Tarragan Oil and Gas Limited
TCPL	TransCanada PipeLines Limited
TRITON	Triton Canada Resources Ltd.
ULSTER	Ulster Petroleums Ltd.
UNIGAS	Unigas Corporation
UNOCAL	Unocal Canada Limited
VECTOR	Vector Energy Inc.
WAINOCO	Wainoco Oil Corporation
WEBEX	Webex Oil & Gas Ltd.
WCST	Westcoast Energy Inc.

2 RESERVES OF CONVENTIONAL CRUDE OIL

The Board estimates the remaining established reserves of conventional crude oil in Alberta to be 442 million cubic metres at year-end 1992. This is a net decrease from year-end 1991 of 26 million cubic metres as a result of all reserve adjustments less production that occurred during 1992. The initial established reserves attributed to 1992 pool discoveries totalled 9 million cubic metres, a 10-per-cent decrease from 1991. New pool discovery levels have declined every year since 1985.

At year-end 1992, oil reserves were assigned to some 5200 light-medium and 1800 heavy crude oil pools in the province.

The changes in reserves for light-medium and heavy crude oil during 1992 are shown below:

	1992	1991	Change
	10 ⁶ m ³	10 ⁶ m ³	10 ⁶ m ³
Initial Established Reserves			
Light-Medium	2 084.0	2 073.1	+ 10.9
Heavy	208.7	192.5	+ 16.2
Total	<u>2 292.7</u>	<u>2 265.6</u>	<u>+ 27.1</u>
	(14 428) ^b	(14 257) ^b	
Cumulative Production			
Light-Medium	1 703.0	1 662.8	+ 40.2 ^a
Heavy	147.7	134.3	+ 13.4 ^a
Total	<u>1 850.7</u>	<u>1 797.1</u>	<u>+ 53.6</u>
Remaining Established Reserves			
Light-Medium	381.1	410.4	- 29.3
Heavy	60.9	58.1	+ 2.8
Total	<u>442.0</u>	<u>468.5</u>	<u>- 26.5</u>
	(2 781) ^b	(2 948) ^b	

a Production figures may differ from that published in the Board's report ERCB ST 93-17.

b Imperial equivalent in millions of stock-tank barrels.

Contributions to the overall net increase in initial established reserves during 1992 of 27.1 million cubic metres are summarized as follows:

	Initial Established Reserves		
	Light-Medium	Heavy Crude	Total
	10 ⁶ m ³	10 ⁶ m ³	10 ⁶ m ³
New discoveries	6.7	2.3	9.0
Development of Existing Pools	6.3	6.0	12.3
Enhanced Recovery (New Schemes/Expansions)	2.5	0.4	2.8
Reassessment	- 4.6	7.5	3.0
Total	+ 10.9	+ 16.2	+ 27.1

The following tables provide further information on oil reserve trends and geological distribution:

Table 2-1 Major light-medium reserve changes.

Table 2-2 Major heavy crude reserve changes.

Table 2-3 Oil reserves by crude oil type and recovery mechanism.

Table 2-4 Oil reserves by geological period and crude-oil type.

Table 2-5 Oil reserves by geological formation.

Table 2-6 Lists reserves and reservoir factors to year-end 1992 for each designated non-confidential crude-oil pool in Alberta. Reserve totals for undefined and confidential pools are shown separately at the end of each section.

The map included in the back pocket of this report will assist the reader interested in the geographic distribution of reserves and in locating the fields and pools listed in Table 2-6. The approximate location of each field is shown immediately following the field name. Fields have been coloured either green (for oil) or yellow (for gas) based on which had the higher initial energy content.

**TABLE 2-1 Major Light-Medium Oil Reserve Changes^a
1992**

Pool	Initial Established Reserves		Main Reason for Change
	1992	Change	
	10 ³ m ³	10 ³ m ³	
Bellshill Lake Ellerslie A	561.0	+ 530.0	Pool development and reassessment of recovery factor
Cherhill Banff A	2 379.0	- 625.0	Reassessment of initial volume in place and recovery factor
Innisfail D-3	13 400.00	+ 600.0	Reassessment of recovery factor
Joarcam Viking	19 380.0	+ 350.0	Reassessment of recovery factor
Judy Creek Beaverhill Lake A	57 320.0	+ 500.0	Enhanced recovery recognition
Jumpbush Upper Mannville A	646.0	+ 323.0	Reassessment of recovery factor
Manyberries Sunburst Q	1 188.0	+ 462.0	Enhanced recovery recognition
Nipisi Gilwood A	61 040.0	+ 680.0	Pool development
Provost Mannville L	1 287.0	+ 956.0	Reassessment of recovery factor
Rainbow Keg River T	1 925.0	- 700.0	Reassessment of primary and solvent flood recovery factors
Rainbow Keg River Z	2 100.0	+ 894.0	Reassessment of initial volume in place and solvent recovery factor
Rockyford Upper Mannville E	1 170.0	+ 520.0	Enhanced recovery recognition
Seal Slave Point A	1 014.0	+ 364.0	Reassessment of initial volume in place and recovery factor
Turin Lower Mannville II	260.0	- 337.0	Reassessment of initial volume in place and recovery factor
Utikuma Lake Keg River Sand N	2 280.0	+ 780.0	Reassessment of initial volume in place
Utikuma Lake Keg River Sand U	259.0	- 329.0	Reassessment of recovery factor

^a For a detailed listing of all reserve changes, refer to the supplement to this publication, ERCB ST 93-18A

TABLE 2-2 Major Heavy Oil Reserve Changes^a
1992

Pool	Initial Established Reserves		Main Reason for Change
	1992	Change	
	10 ³ m ³	10 ³ m ³	
Bantry Mannville A	9 120.0	+ 265.0	Reassessment of initial volume in place and recovery factor
Cecil Charlie Lake L & M	188.0	- 375.0	Reassessment of recovery factor
Cessford Mannville C	3 201.0	+ 267.0	Pool coalescence and reassessment of recovery factor
Enchant Ellis L	662.0	+ 442.0	Pool development
Grand Forks Sawtooth WW	2 173.0	+ 660.0	Reassessment of initial volume in place and recovery factor
Hayter Dina A	3 312.0	+ 1 576.0	Reassessment of recovery factor
Hayter Dina B	1 818.0	+ 285.0	Pool coalescence and development
Hayter Dina I	945.0	+ 517.0	Pool development
Morgan Lloydminster A & Sparky A	1 553.0	+ 517.0	Reassessment of recovery factor
Provost Glauconitic A	1 904.0	+ 1 904.0	New pool
Provost Cummings A	759.0	+ 270.0	Pool development and reassessment of recovery factor
Provost Upper Mannville B	1 368.0	+ 342.0	Reassessment of recovery factor
Provost Upper Mannville BB	1 394.0	+ 371.0	Pool development
Provost Ellerslie N	1 211.0	+ 850.0	Pool development
Provost Dina G4G	702.0	+ 562.0	Reassessment of initial volume in place and recovery factor
Provost Lloydminster KK	308.0	+ 287.0	Pool development and reassessment of recovery factor
Viking Kinsella Sparky F	1 750.0	+ 324.0	Enhanced recovery recognition
Wildmere Sparky N	216.0	- 324.0	Reassessment of recovery factor

^a For a detailed listing of all reserve changes, refer to the supplement to this publication, ERCB ST 93-18A

TABLE 2-3 **Summary of Reserves of Conventional Crude Oil**
Attributable to Various Recovery Mechanisms
As at 31 December 1992

	1	2	3	4	5	6	7	8	9
Crude-Oil Type and Pool Type	Initial Volume in Place	Initial Established Reserves				Average Recovery			
		Primary	Waterflood	Solvent/Gas Flood	Total	Primary	Waterflood	Solvent/Gas Flood	Total
	10 ⁶ m ³					fraction			
Light-Medium									
Primary Depletion	3 362.3	741.2	0.0	0.0	741.2	0.22	0.00	0.00	0.22
Waterflood	2 597.2	416.4	375.4	0.0	791.8	0.14	0.15	0.00	0.30
Solvent Flood	879.4	244.0	151.2	122.4	517.6	0.27	0.17	0.14	0.58
Gas Flood	70.4	29.5	0.0	3.9	33.4	0.42	0.00	0.06	0.47
Heavy									
Primary Depletion	1 253.0	120.2	0.0	0.0	120.2	0.10	0.00	0.00	0.10
Waterflood	290.4	26.8	61.7	0.0	88.5	0.09	0.21	0.00	0.30
Total ^a	<u>8 452.7</u>	<u>1 578.2</u>	<u>588.3</u>	<u>126.3</u>	<u>2 292.7</u>	<u>0.19^b</u>	<u>0.07^b</u>	<u>0.01^b</u>	<u>0.27^b</u>
	(53 192) ^c	(9 931) ^c	(3 703) ^c	(795) ^c	(14 428) ^c				
Percentage of Total Initial Established Reserves		<u>68.8</u>	<u>25.7</u>	<u>5.5</u>	<u>100.0</u>				

a Discrepancies are due to rounding.

b The estimated recovery of all pools in the province, if depleted under their natural depletion mechanism, would be 19 per cent of the initial volume in place. Implementation of enhanced recovery schemes in some pools is expected to increase the effective recovery for all pools in Alberta to 27 per cent.

c Imperial equivalent in millions of stock-tank barrels.

**TABLE 2-4 Distribution of Reserves of Conventional Crude Oil
by Geological Period and Crude-Oil Type
As at 31 December 1992**

	1	2	3	4	5	6	7	8	9	10	11	12
Geological Period	Initial Volume in Place			Initial Established Reserves			Remaining Established Reserves			Average Recovery		
	Light- Medium	Heavy	Total	Light- Medium	Heavy	Total	Light- Medium	Heavy	Total	Light- Medium	Heavy	Total
	10 ⁶ m ³									fraction		
Cretaceous												
Upper	1 948.5	0.1	1 948.6	346.2	0.0	346.2	90.7	0.0	90.7	0.18	0.00	0.18
Lower	855.8	1 344.3	2 200.1	142.4	176.7	319.2	39.0	49.9	88.9	0.17	0.13	0.15
Jurassic	96.5	80.8	177.3	18.6	21.5	40.0	5.9	6.4	12.3	0.19	0.27	0.23
Triassic	214.8	17.4	232.2	50.5	1.4	51.9	18.1	0.5	18.6	0.24	0.08	0.22
Permian	13.7	0.0	13.7	6.0	0.0	6.0	1.7	0.0	1.7	0.44	0.00	0.44
Mississippian	552.8	60.7	613.6	85.4	6.4	91.8	12.7	2.4	15.1	0.15	0.11	0.15
Devonian												
Upper	2 288.4	18.4	2 306.8	1 094.1	1.4	1 095.5	130.4	0.5	130.9	0.48	0.08	0.47
Middle	881.0	0.0	881.0	335.9	0.0	335.9	78.5	0.0	78.5	0.38	0.00	0.38
Other	57.8	21.7	79.5	5.0	1.3	6.3	4.2	1.2	5.3	0.09	0.06	0.08
Total ^a	<u>6 909.3</u>	<u>1 543.4</u>	<u>8 452.7</u>	<u>2 084.0</u>	<u>208.7</u>	<u>2 292.7</u>	<u>381.1</u>	<u>60.9</u>	<u>442.0</u>	<u>0.30</u>	<u>0.14</u>	<u>0.27</u>
	(43 480) ^b	(9 713) ^b	(53 192) ^b	(13 114) ^b	(1 313) ^b	(14 428) ^b	(2 398) ^b	(384) ^b	(2 781) ^b			

a Discrepancies are due to rounding.

b Imperial equivalent in millions of stock-tank barrels.

TABLE 2-5 Geological Distribution of Reserves of Conventional Crude Oil
As at 31 December 1992

Geological Distribution	1	2	3	4	5	6
	Initial Volume in Place	Initial Established Reserves	Remaining Established Reserves	Initial Volume in Place	Initial Established Reserves	Remaining Established Reserves
	10 ⁶ m ³			percentage of total		
Upper Cretaceous						
Belly River	232.8	37.3	16.6	2.8	1.6	3.7
Cardium	1 601.6	296.1	67.1	19.0	13.0	15.2
Second White Specks	24.8	2.0	1.0	0.3	0.1	0.2
Doe Creek	66.1	8.7	5.3	0.8	0.4	1.2
Dunvegan	17.1	1.4	0.5	0.2	0.1	0.1
Other	6.2	0.7	0.3	0.1	0.0	0.1
Subtotal	1 948.6	346.2	90.8	23.1	15.1	20.5
Lower Cretaceous						
Viking	295.9	60.3	11.6	3.5	2.7	2.6
Basal Colorado	11.8	2.2	0.3	0.1	0.1	0.1
Upper Mannville	1 151.7	134.7	38.7	13.6	5.9	8.8
Lower Mannville	737.1	121.6	38.1	8.7	5.3	8.6
Other	3.6	0.3	0.2	0.0	0.0	0.0
Subtotal	2 200.1	319.2	88.9	26.0	13.9	20.1
Jurassic						
Sawtooth	68.2	18.8	5.3	0.8	0.8	1.2
Rock Creek	20.7	2.7	1.1	0.2	0.2	0.5
Nordegg	67.4	15.2	4.5	0.8	0.7	1.0
Other	21.0	3.3	1.5	0.2	0.1	0.2
Subtotal	177.3	40.0	12.3	2.1	1.7	2.8
Triassic						
Charlie Lake	54.6	7.0	3.7	0.6	0.3	0.8
Boundary	48.0	10.7	4.5	0.6	0.5	1.0
Halfway	71.0	13.7	6.7	0.8	0.6	1.5
Montney	48.6	19.7	3.4	0.6	0.9	0.8
Other	10.0	0.7	0.4	0.1	0.0	0.1
Subtotal	232.2	51.9	18.6	2.7	2.3	4.2
Permian-Belloy	13.7	6.0	1.7	0.2	0.3	0.4
Mississippian						
Rundle	416.9	67.1	7.0	5.0	3.0	1.6
Pekisko	74.1	10.4	2.7	0.9	0.5	0.6
Banff	97.5	11.2	4.4	1.2	0.5	1.0
Other	25.0	3.1	1.0	0.3	0.1	0.2
Subtotal	613.6	91.8	15.1	7.3	4.0	3.4

TABLE 2-5 (continued)

Geological Distribution	1	2	3	4	5	6
	Initial Volume in Place	Initial Established Reserves	Remaining Established Reserves	Initial Volume in Place	Initial Established Reserves	Remaining Established Reserves
	10 ⁶ m ³			percentage of total		
Upper Devonian						
Wabamun	50.0	7.7	3.6	0.6	0.3	0.8
Nisku	359.4	177.5	21.5	4.3	7.8	4.9
Leduc	812.2	493.5	26.6	9.6	21.7	6.0
Beaverhill Lake	944.8	396.7	70.5	11.2	17.5	16.0
Slave Point	107.5	15.5	6.3	1.3	0.7	1.4
Other	32.8	4.7	2.4	0.4	0.2	0.5
Subtotal	<u>2 306.8</u>	<u>1 095.5</u>	<u>130.9</u>	<u>27.3</u>	<u>47.8</u>	<u>29.6</u>
Middle Devonian						
Gilwood	276.7	128.9	26.0	3.3	5.6	5.9
Sulphur Point	9.7	1.3	0.6	0.1	0.1	0.1
Muskeg	47.9	9.1	3.7	0.6	0.4	0.8
Keg River	433.3	166.5	40.1	5.2	7.3	9.1
Keg River SS	41.3	14.0	2.3	0.5	0.6	0.5
Granite Wash	72.0	16.1	5.8	0.9	0.7	1.3
Other	0.1	0.0	0.0	0.0	0.0	0.0
Subtotal	<u>881.0</u>	<u>335.9</u>	<u>78.5</u>	<u>10.4</u>	<u>14.7</u>	<u>17.8</u>
Undefined and Confidential	79.5	6.3	5.3	0.9	0.3	1.2
Total ^a	<u>8 452.7</u>	<u>2 292.7</u>	<u>442.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
	(53 192) ^b	(14 428) ^b	(2 781) ^b			

a Discrepancies in totals and subtotals are due to rounding.

b Imperial equivalent in millions of stock-tank barrels.



Reserves of Conventional Crude Oil and Basic Data

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
ACHESON 053-26W4								
BLAIRMORE A	879.0	0.17		149.0		149.0	126.0	23.0
BLAIRMORE B	111.0	0.15		16.7		16.7	5.6	11.1
BLAIRMORE C	375.0	0.15		56.3		56.3	48.6	7.7
BLAIRMORE F	370.0	0.25		92.5		92.5	77.4	15.1
BLAIRMORE J	304.0	0.20		60.8		60.8	52.9	7.9
BLAIRMORE K	1 250.0	0.15		188.0		188.0	111.1	76.9
BLAIRMORE L	289.0	<0.04		11.6		11.6	11.6	
BLAIRMORE P	183.0	<0.01		0.1		0.1	0.1	
BLAIRMORE S	139.0	<0.04		5.0		5.0	5.0	
BLAIRMORE V	198.0	0.12		23.8		23.8	17.2	6.6
BLAIRMORE W	79.8	<0.01		0.1		0.1	0.1	
BLAIRMORE X	99.8	0.15		15.0		15.0	10.6	4.4
BLAIRMORE Z	42.5	0.10		4.3		4.3	0.7	3.6
BLAIRMORE AA	78.3	0.05		3.9		3.9	2.4	1.5
BLAIRMORE BB	68.0	0.15		10.2		10.2	5.2	5.0
BLAIRMORE CC	27.4	0.10		2.7		2.7	0.5	2.2
BLAIRMORE EE	39.2	0.01		0.4		0.4	0.4	
BLAIRMORE D & I	2 319.0	0.15		348.0		348.0	236.9	111.1
ELLERSLIE A	343.0	0.03		10.3		10.3	6.3	4.0
ELLERSLIE B	387.0	0.03		11.6		11.6	4.6	7.0
ELLERSLIE C	406.0	0.05		20.3		20.3	2.3	18.0
DETRITAL A	50.6	0.20		10.1		10.1	8.9	1.2
DETRITAL C	62.2	0.10		6.2		6.2	0.3	5.9
DETRITAL D	235.0	0.03		7.1		7.1	0.5	6.6
DETRITAL E	199.0	0.20		39.8		39.8	7.1	32.7
WABAMUN A	229.0	<0.02		3.7		3.7	3.7	
WABAMUN B	92.5	0.05		4.6		4.6	2.2	2.4
D-2 A	775.0	0.58		450.0		450.0	437.7	12.3
D-2 B	98.1	0.35		34.3		34.3	21.6	12.7
D-2 C	175.0	0.25		43.8		43.8	11.1	32.7
D-3 A SOLVENT FLOOD	29 650.0	0.54	0.28	16 010.0	8 090.0	24 100.0	20 474.1	3 625.9
FIELD TOTAL	39 554.4			17 640.2	8 090.0	25 730.2	21 692.7	4 037.5
ACHESON EAST 052-25W4								
BLAIRMORE A	500.0	0.26		130.0		130.0	124.3	5.7
BLAIRMORE B	5 968.0	0.15		895.0		895.0	742.1	152.9
BLAIRMORE C	224.0	0.25		56.0		56.0	43.1	12.9
BLAIRMORE D	572.0	0.25		143.0		143.0	125.1	17.9
BLAIRMORE E	226.0	0.15		33.9		33.9	26.1	7.8
BLAIRMORE G	171.0	0.10		17.1		17.1	7.0	10.1
BLAIRMORE H	39.8	<0.05		1.9		1.9	1.9	
BLAIRMORE I	47.4	0.20		9.5		9.5	6.5	3.0
BLAIRMORE J	93.6	<0.06		4.9		4.9	4.9	
GLAUCONITIC A	67.6	<0.01		0.3		0.3	0.3	
BLAIRMORE F & GLAUCONITIC B	683.0	0.07		47.8		47.8	30.2	17.6
DETRITAL A	87.2	0.10		8.7		8.7	7.1	1.6
FIELD TOTAL	8 679.6			1 348.1		1 348.1	1 118.6	229.5
ADAMS 071-08W5								
GILWOOD A	68.4	0.10		6.8		6.8	6.6	0.2
GILWOOD B	93.3	0.20		18.7		18.7	11.2	7.5
FIELD TOTAL	161.7			25.5		25.5	17.8	7.7
ADEN 001-09W4								
BOW ISLAND B	221.0	<0.01		1.1		1.1	1.1	
FIELD TOTAL	221.0			1.1		1.1	1.1	
AERIAL 029-18W4								
VIKING A	275.0	<0.01		0.6		0.6	0.6	
MANNVILLE TOTAL	1 474.0			163.0	131.0	294.0	270.5	23.5
PRIMARY AREA	286.0	0.07		20.0		20.0		
GAS FLOOD AREA	1 188.0	0.12	0.11	143.0	131.0	274.0		
MANNVILLE B	167.0	0.05		8.4		8.4	0.5	7.9
MANNVILLE C	154.0	0.02		3.1		3.1	1.8	1.3
MANNVILLE D	211.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	2 281.0			175.2	131.0	306.2	273.5	32.7

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
323	1.86	0.220	0.18	0.81	83	839	54	9 270	1 234.4	1952	92 12 - GPP
80	1.28	0.175	0.27	0.85	81	834	54	9 380	1 265.2	1954	92 12 - GPP
48	6.81	0.187	0.27	0.84	82	834	56	9 480	1 270.4	1954	88 12 - GPP
115	2.76	0.180	0.23	0.84	81	855	52	9 380	1 276.8	1950	88 12 - GPP
25	10.97	0.185	0.25	0.80	84	839	52	9 410	1 231.4	1960	89 12 - GPP
235	5.63	0.150	0.25	0.84	76	855	54	10 330	1 253.8	1951	92 12 - GPP
129	1.74	0.214	0.25	0.80	53	855	54	9 380	1 203.7	1950	74 12 - ABAND 74 06
64	3.50	0.170	0.40	0.80	77	840	51	8 912	1 214.3	1980	83 12 - ABAND 85 07
16	7.60	0.187	0.27	0.84	82	834	56	9 456	1 265.5	1954	88 12 - ABAND 68 01
32	5.30	0.190	0.27	0.84	60	867	55	8 983	1 274.2	1983	84 03 - GPP
64	1.50	0.180	0.45	0.84	58	877	56	9 073	1 245.9	1951	84 08 - GPP
16	5.50	0.180	0.25	0.84	68	853	56	9 092	1 245.8	1951	91 12 - GPP
16	2.74	0.210	0.45	0.84	81	839	49	8 919	1 246.2	1955	88 05 - GPP
16	5.18	0.150	0.25	0.84	76	855	54	9 568	1 259.3	1969	88 05 - GPP
27	2.70	0.150	0.26	0.84	76	855	54	9 364	1 265.4	1951	88 05 - GPP
16	1.70	0.160	0.25	0.84	51	850	54	9 097	1 255.2	1952	86 03 - GPP
16	2.70	0.180	0.40	0.84	81	839	49	9 241	1 251.4	1965	92 09 - ABAND 92 06
752	3.54	0.170	0.39	0.84	81	839	49	9 200	1 238.8	1950	88 12 - GPP
64	4.80	0.190	0.30	0.84	57	840	54	9 420	1 275.6	1962	85 12 - GPP
64	5.00	0.210	0.28	0.80	70	835	72	9 119	1 239.3	1982	85 12 - GPP
64	6.00	0.220	0.40	0.80	68	845	72	8 952	1 235.0	1981	91 12 - GPP
32	1.65	0.190	0.40	0.84	81	840	54	9 251	1 322.8	1951	92 10
16	2.40	0.230	0.20	0.88	74	857	49	9 075	1 301.8	1952	88 04
64	3.66	0.190	0.40	0.88	60	840	56	9 259	1 328.5	1952	88 12 - GPP
64	2.50	0.210	0.26	0.80	74	804	50	8 377	1 289.4	1951	91 10
16	28.80	0.090	0.35	0.85	60	885	42	7 855	1 314.0	1982	92 11
64	8.50	0.040	0.50	0.85	60	885	48	8 285	1 380.3	1980	92 09
486	8.17	0.034	0.30	0.82	64	834	57	10 900	1 397.5	1952	87 12 - GPP
128	6.01	0.024	0.36	0.83	64	834	56	10 900	1 420.5	1952	92 08 - GPP
64	7.93	0.060	0.30	0.82	66	834	58	11 040	1 424.5	1951	91 07
1 542	24.12	0.114	0.08	0.76	90	834	60	11 930	1 547.8	1950	91 06 - GPP
84	5.51	0.185	0.27	0.80	74	839	52	9 200	1 208.5	1953	92 12 - GPP
1 236	4.79	0.180	0.30	0.80	74	839	52	9 310	1 239.0	1957	88 12 - GPP
64	3.60	0.184	0.34	0.80	74	857	52	8 826	1 235.8	1981	90 12 - GPP
132	4.04	0.200	0.33	0.80	71	845	51	9 218	1 238.7	1958	85 09 - GPP
32	6.80	0.200	0.35	0.80	56	854	50	8 619	1 260.8	1983	92 12 - GPP
64	2.70	0.180	0.32	0.81	71	845	51	9 207	1 247.4	1965	90 02 - GPP
16	2.90	0.160	0.33	0.80	71	839	47	9 318	1 271.0	1989	92 07 - ABAND 91 09
64	0.70	0.200	0.33	0.79	83	826	54	9 234	1 235.3	1988	92 12 - GPP
16	4.57	0.200	0.20	0.80	62	835	52	8 819	1 336.0	1955	76 12 - ABAND 58 03
16	3.60	0.170	0.25	0.92	26	945	50	9 011	1 155.8	1965	89 12 - ABAND 88 08
256	3.63	0.140	0.36	0.82	67	865	49	8 780	1 181.0	1971	89 04 - GPP
32	3.20	0.170	0.41	0.85	60	857	49	9 305	1 289.3	1980	91 05 - GPP
64	1.80	0.110	0.40	0.90	25	762	63	19 309	2 093.8	1979	79 08 - GPP
64	1.79	0.130	0.28	0.87	32	824	72	19 293	2 085.0	1990	92 12
128	1.39	0.230	0.40	0.90	21	839	32	4 480	637.9	1967	85 06 - GPP
64	5.10	0.150	0.25	0.75	125	832	43	8 660	1 116.5	1979	83 12 - GPP
391	2.42	0.223	0.20	0.82	78	849	48	9 930	1 283.5	1958	92 12
81	2.62	0.223	0.20	0.82							- GPP
310	4.90	0.130	0.50	0.82	73	867	47	9 731	1 297.5	1979	91 11
64	11.00	0.150	0.22	0.75	112	854	43	9 350	1 323.5	1979	92 12 - GPP
64	3.90	0.172	0.40	0.82	78	850	24	7 345	1 293.3	1980	89 12

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ALBRIGHT 071-09W6 CHARLIE LAKE A	75.1	0.10		7.5		7.5	4.5	3.0
FIELD TOTAL	75.1			7.5		7.5	4.5	3.0
ALIX 040-23W4 D-2	1 676.0	0.35		587.0		587.0	496.6	90.4
FIELD TOTAL	1 676.0			587.0		587.0	496.6	90.4
ALLIANCE 040-12W4 BLAIRMORE BLAIRMORE C	657.0 97.0	0.25 0.15		164.0 14.6		164.0 14.6	109.6 2.0	54.4 12.6
FIELD TOTAL	754.0			178.6		178.6	111.6	67.0
ALSIKE 049-02W5 BANFF A	149.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	149.0			0.3		0.3	0.3	
AMBER 115-07W6 SULPHUR POINT D	158.0	<0.01		0.1		0.1	0.1	
MUSKEG A	14.3	<0.13		1.8		1.8	1.8	
MUSKEG B	162.0	0.30		48.6		48.6	34.9	13.7
MUSKEG C	129.0	0.20		25.8		25.8	14.9	10.9
MUSKEG D	410.0	<0.01		3.0		3.0	3.0	
MUSKEG E	200.0	<0.02		3.3		3.3	3.3	
MUSKEG F	105.0	0.10		10.5		10.5	7.8	2.7
MUSKEG G	236.0	<0.02		2.6		2.6	2.6	
MUSKEG H	79.0	<0.01		0.1		0.1	0.1	
KEG RIVER A	372.0	0.14		52.1		52.1	42.5	9.6
KEG RIVER B	540.0	0.15		81.0		81.0	36.2	44.8
KEG RIVER C	255.0	0.15		38.3		38.3	30.4	7.9
KEG RIVER E	330.0	0.25		82.5		82.5	77.0	5.5
KEG RIVER F	222.0	0.30		66.6		66.6	53.6	13.0
KEG RIVER G	197.0	0.35		69.0		69.0	45.0	24.0
KEG RIVER I	115.0	<0.05		4.8		4.8	4.8	
KEG RIVER J	121.0	<0.01		0.2		0.2	0.2	
KEG RIVER P	300.0	0.10		30.0		30.0	25.1	4.9
KEG RIVER Q	295.0	0.25		73.8		73.8	60.5	13.3
KEG RIVER R	253.0	0.15		38.0		38.0	34.3	3.7
KEG RIVER S	300.0	0.10		30.0		30.0	26.1	3.9
KEG RIVER T	130.0	0.23		29.9		29.9	29.9	
KEG RIVER U	199.0	<0.08		15.8		15.8	15.8	
KEG RIVER V	600.0	<0.02		9.1		9.1	9.1	
KEG RIVER W	241.0	<0.11		25.7		25.7	25.7	
KEG RIVER X	44.8	<0.04		1.6		1.6	1.6	
KEG RIVER Y	80.3	0.05		4.0		4.0	3.5	0.5
KEG RIVER AA	300.0	0.10		30.0		30.0	18.8	11.2
KEG RIVER BB	86.3	0.20		17.3		17.3	11.2	6.1
KEG RIVER CC	282.0	0.20		56.4		56.4	41.4	15.0
FIELD TOTAL	6 756.7			851.9		851.9	661.2	190.7
AMELIA 010-27W4 CARDIUM A	60.4	0.10		6.0		6.0	2.3	3.7
FIELD TOTAL	60.4			6.0		6.0	2.3	3.7
AMIGO 120-08W6 MUSKEG A	26.1	<0.04		0.9		0.9	0.9	
MUSKEG B	117.0	<0.05		4.9		4.9	4.9	
KEG RIVER A	100.0	<0.12		11.9		11.9	11.9	
KEG RIVER B	600.0	0.40		240.0		240.0	185.1	54.9
KEG RIVER C	184.0	0.40		73.6		73.6	57.1	16.5
KEG RIVER D	332.0	<0.12		39.5		39.5	39.5	
KEG RIVER E	100.0	0.15		15.0		15.0	9.4	5.6
KEG RIVER F	334.0	0.25		83.5		83.5	18.5	65.0
KEG RIVER G	276.0	0.35		96.6		96.6	56.5	40.1
KEG RIVER H	320.0	<0.03		6.7		6.7	6.7	
KEG RIVER I	70.0	0.16		11.3		11.3	11.3	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	1.90	0.090	0.12	0.78	76	832	73	15 569	2 344.4	1983	84 05 - GPP
1 081	4.73	0.057	0.19	0.71	152	825	59	16 620	1 823.9	1956	91 12 - GPP
137 32	3.21 1.77	0.250 0.260	0.35 0.26	0.92 0.89	29 45	898 875	35 35	6 620	961.9 955.5	1951 1985	91 12 - GPP 91 11
64	3.50	0.120	0.35	0.85	77	900	64	15 960	1 548.5	1980	83 12 - ABAND 88 06
64 2 17 64 64 64 32 64 16 19 38 12 28 14 14 16 4 25 33 16 30 16 16 24 16 13 16 15 20	9.50 17.50 22.74 10.50 12.70 5.00 5.40 7.68 7.00 43.90 38.04 36.79 39.00 26.35 27.00 24.23 40.23 18.50 21.26 23.60 35.07 12.00 21.20 42.00 35.90 10.85 10.80 26.71 18.56 15.40	0.050 0.060 0.065 0.030 0.070 0.085 0.090 0.071 0.100 0.070 0.060 0.093 0.070 0.097 0.090 0.052 0.120 0.100 0.070 0.100 0.089 0.095 0.070 0.058 0.080 0.100 0.045 0.127	0.36 0.15 0.15 0.20 0.10 0.08 0.10 0.10 0.15 0.15 0.17 0.15 0.40 0.15 0.15 0.25 0.15 0.10 0.13 0.34 0.10 0.12 0.13 0.20 0.27 0.12 0.10 0.16 0.10	0.81 0.80 0.76 0.80 0.80 0.80 0.75 0.75 0.83 0.75 0.75 0.73 0.73 0.68 0.77 0.74 0.72 0.78 0.77 0.72 0.75 0.72 0.75 0.75 0.66 0.78 0.82 0.80	76 73 95 64 86 68 139 64 64 110 111 127 125 126 157 152 110 128 93 93 127 138 115 127 107 115 176 53 74 70	838 844 834 800 846 856 820 828 857 825 825 830 825 829 820 820 829 820 826 829 800 806 834 810 820 820 837 823 817 832	68 72 70 82 70 78 72 68 68 72 72 76 76 67 72 72 77 76 73 73 76 71 67 76 83 80 82 82 78 68	13 626 15 100 15 380 14 623 12 072 13 109 14 849 16 597 15 309 15 510 15 560 15 583 15 650 15 450 15 220 15 040 15 170 15 461 15 196 15 433 15 555 15 124 15 244 15 142 15 022 14 965 14 911 15 600 15 757 15 532	1 422.5 1 506.9 1 565.1 1 577.3 1 521.8 1 535.1 1 520.3 1 503.4 1 497.0 1 566.1 1 566.4 1 581.6 1 580.1 1 575.8 1 557.8 1 549.0 1 578.6 1 605.0 1 567.5 1 588.3 1 580.8 1 599.0 1 564.4 1 564.3 1 589.0 1 568.0 1 593.7 1 602.5 1 620.5 1 606.0	1989 1968 1968 1982 1983 1983 1984 1984 1987 1968 1968 1968 1968 1969 1969 1969 1982 1982 1983 1983 1984 1984 1985 1985 1986 1987 1984 1984 1985	90 11 71 05 92 11 90 11 - GPP 89 12 88 12 91 01 - GPP 88 02 - ABAND 89 01 90 11 92 12 - GPP 91 12 - GPP 85 04 - GPP 92 08 - GPP 91 12 - GPP 92 12 - GPP 78 12 - GPP 71 01 89 12 91 12 90 11 - GPP 92 12 92 10 85 03 - ABAND 87 07 89 12 92 10 86 10 - ABAND 87 09 90 11 - GPP 91 05 90 11 91 12 - GPP
64	2.50	0.065	0.30	0.83	70	880	39	25 689	2 051.3	1980	92 07 - GPP
16 16 6 13 6 16 9 19 29 10 5	3.50 15.85 55.10 96.96 58.17 60.13 38.00 32.11 32.79 52.30 20.80	0.080 0.062 0.054 0.080 0.080 0.060 0.060 0.100 0.060 0.096 0.120	0.13 0.18 0.20 0.15 0.11 0.20 0.25 0.13 0.18 0.09 0.20	0.67 0.90 0.70 0.70 0.74 0.72 0.65 0.63 0.59 0.70 0.70	155 140 130 135 118 146 160 170 233 100 233	808 830 833 804 850 804 814 826 803 816 803	83 78 83 74 71 74 78 71 81 77 81	15 350 14 427 15 829 15 322 16 104 15 272 15 478 16 119 16 766 15 490 15 956	1 787.0 1 745.3 1 814.3 1 756.0 1 725.0 1 794.0 1 804.0 1 746.0 1 803.4 1 786.5 1 852.0	1983 1969 1981 1979 1982 1968 1982 1982 1983 1985 1982	88 12 90 12 - GPP 86 09 86 06 - GPP 85 05 79 12 90 11 86 06 86 06 89 12 86 09

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
AMIGO 120-08W6 (CONTINUED)								
KEG RIVER J	200.0	0.15	0.20	30.0	40.0	70.0	37.3	32.7
WATER FLOOD								
KEG RIVER K	230.0	<0.01		2.1		2.1	2.1	
FIELD TOTAL	2 889.1			616.0	40.0	656.0	441.2	214.8
ANTE CREEK 065-24W5								
DUNVEGAN A	288.0	<0.01		0.7		0.7	0.7	
BEAVERHILL LAKE	5 931.0	0.16	0.32	949.0	1 898.0	2 847.0	2 132.6	714.4
SOLVENT FLOOD								
BEAVERHILL LAKE B	1 670.0	0.35		585.0		585.0	541.7	43.3
GILWOOD A	46.4	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	7 935.4			1 534.8	1 898.0	3 432.8	2 675.1	757.7
ANTE CREEK NORTH 067-23W5								
TRIASSIC A	198.0	<0.01		0.6		0.6	0.6	
FIELD TOTAL	198.0			0.6		0.6	0.6	
ANTELOPE 030-01W4								
DETRITAL C	232.0	0.05		11.6		11.6	2.0	9.6
FIELD TOTAL *	232.0			11.6		11.6	2.0	9.6
ARMADA 017-19W4								
UPPER MANNVILLE A	724.0	0.05		36.2		36.2	17.9	18.3
UPPER MANNVILLE B	286.0	0.05		14.3		14.3	1.3	13.0
BASAL QUARTZ G	107.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	1 117.0			50.6		50.6	19.3	31.3
ARMISIE 052-25W4								
BLAIRMORE	2 381.0	0.20		476.0		476.0	377.7	98.3
FIELD TOTAL	2 381.0			476.0		476.0	377.7	98.3
ASTOTIN 054-18W4								
VIKING D	109.0	<0.01		0.4		0.4	0.4	
VIKING H	97.2	0.08		7.8		7.8	5.7	2.1
VIKING I	187.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	393.2			8.4		8.4	6.3	2.1
ATIKAMIK 084-06W5								
KEG RIVER A	52.0	<0.05		2.2		2.2	2.2	
FIELD TOTAL	52.0			2.2		2.2	2.2	
BADGER 016-18W4								
UPPER MANNVILLE A	103.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL *	103.0			0.4		0.4	0.4	
BARONS 012-23W4								
COLORADO	280.0	<0.30		83.1		83.1	83.1	
BARONS A	313.0	0.10		31.3		31.3	17.0	14.3
BARONS B	102.0	<0.01		0.4		0.4	0.4	
BOW ISLAND A	65.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	760.0			115.0		115.0	100.7	14.3
BASHAW 041-23W4								
BASAL MANNVILLE J	146.0	<0.01		1.3		1.3	1.3	
BASAL MANNVILLE CC	104.0	0.10		10.4		10.4	1.1	9.3
D-2 A	992.0	<0.03		25.0		25.0	22.5	2.5
D-2 B	1 800.0	0.35		630.0		630.0	353.5	276.5
D-2 C	1 200.0	0.35		420.0		420.0	150.6	269.4
D-2 D	557.0	0.30		167.0		167.0	53.4	113.6
D-2 E	526.0	0.35		184.0		184.0	44.5	139.5

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
17	37.60	0.058	0.17	0.65	159	830	70	15 525	1 758.8	1986	92 05 - GPP
22	27.69	0.070	0.13	0.62	233	811	81	15 789	1 824.0	1983	92 11 - GPP
64	4.61	0.181	0.35	0.83	62	834	59	10 340	1 365.8	1973	74 12 - ABAND 79 02
3 644	6.90	0.063	0.22	0.48	342	806	110	35 580	3 434.8	1962	89 10 - GPP
1 540	3.90	0.057	0.25	0.65	166	820	103	37 605	3 391.5	1966	71 02 - GPP
65	2.44	0.090	0.35	0.50	35	806	107	34 820	3 397.9	1964	65 05 - ABAND 72 10
64	6.27	0.110	0.35	0.69	147	825	59	16 493	1 879.1	1971	81 01
16	9.50	0.310	0.46	0.91	36	940	35	8 361	811.7	1988	90 09
64	7.90	0.208	0.19	0.85	62	896	45	11 718	1 196.3	1980	89 12 - GPP
64	7.60	0.160	0.54	0.80	94	835	46	12 613	1 250.0	1988	90 05 - GPP
64	2.00	0.160	0.40	0.87	60	871	36	12 308	1 213.4	1984	88 12 - ABAND 89 03
431	5.39	0.190	0.35	0.83	79	834	49	9 520	1 238.1	1951	92 02 - GPP
64	1.50	0.210	0.40	0.90	41	864	23	4 554	683.3	1981	88 12 - GPP
32	2.20	0.250	0.40	0.92	30	846	28	5 181	687.6	1983	92 12 - GPP
64	2.20	0.240	0.40	0.92	30	846	28	5 570	681.0	1984	88 12 - ABAND 86 02
32	2.20	0.140	0.34	0.80	84	846	36	16 998	1 559.5	1985	92 06 - ABAND 92 01
65	1.22	0.230	0.35	0.87	51	881	54	12 250	1 125.9	1974	76 04 - ABAND 89 09
221	0.82	0.227	0.20	0.85	51	855	37	4 095	1 253.6	1950	75 12 - ABAND 85 10
192	1.88	0.170	0.40	0.85	62	857	35	5 237	1 349.6	1974	91 12 - GPP
64	1.83	0.170	0.40	0.85	62	856	36	5 235	1 352.1	1987	90 12 - GPP
65	1.52	0.140	0.50	0.94	23	855	34	5 000	1 307.9	1973	74 12 - ABAND 76 09
64	2.70	0.170	0.40	0.83	76	844	42	10 590	1 478.7	1978	85 12 - ABAND 88 06
32	4.00	0.160	0.40	0.85	64	852	48	10 390	1 400.9	1988	92 07 - GPP
903	4.82	0.037	0.20	0.77	93	844	57	16 270	1 715.1	1951	88 12 - GPP
429	5.90	0.110	0.16	0.77	88	830	62	12 856	1 800.2	1973	87 12
128	20.00	0.072	0.12	0.74	107	825	70	14 022	1 744.3	1987	92 02
100	8.22	0.110	0.19	0.76	107	826	70	12 831	1 780.8	1987	91 12
128	6.99	0.090	0.14	0.76	107	825	70	12 329	1 791.9	1988	90 01

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
BASHAW 041-23W4 (CONTINUED)								
D-2 F	644.0	0.35		225.0		225.0	66.1	158.9
D-2 G	2 350.0	0.35		823.0		823.0	152.4	670.6
D-2 H	850.0	0.35		298.0		298.0	33.3	264.7
D-2 I	503.0	0.30		151.0		151.0	23.6	127.4
IRETON A	416.0	0.08		33.3		33.3	28.9	4.4
D-3 A	2 142.0	0.30		643.0		643.0	556.8	86.2
D-3 B	264.0	0.12		31.7		31.7	24.7	7.0
D-3 C	160.0	<0.01		0.1		0.1	0.1	
D-3 D	57.8	<0.01		0.1		0.1	0.1	
FIELD TOTAL	12 711.8			3 642.9		3 642.9	1 512.9	2 130.0
BASSAND 021-18W4								
UPPER MANNVILLE E	22.1	0.10		2.2		2.2	0.4	1.8
OSTRACOD A	136.0	<0.01		1.0		1.0	1.0	
FIELD TOTAL	158.1			3.2		3.2	1.4	1.8
BATTLE 046-20W4								
VIKING	824.0	0.22		181.0		181.0	172.3	8.7
FIELD TOTAL	824.0			181.0		181.0	172.3	8.7
BATTLE NORTH 046-20W4								
VIKING	242.0	<0.27		63.8		63.8	63.8	
FIELD TOTAL	242.0			63.8		63.8	63.8	
BATTLE SOUTH 045-20W4								
VIKING	937.0	0.23		216.0		216.0	206.5	9.5
FIELD TOTAL	937.0			216.0		216.0	206.5	9.5
BEATON 087-02W6								
WABAMUN A	102.0	0.10		10.2		10.2	3.2	7.0
GILWOOD A	487.0	<0.08		35.5		35.5	35.5	
FIELD TOTAL	589.0			45.7		45.7	38.7	7.0
BEAVERHILL LAKE 052-19W4								
UPPER VIKING F	150.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	150.0			0.4		0.4	0.4	
BEAVERLODGE 072-10W6								
CHARLIE LAKE A	220.0	<0.01		1.2		1.2	1.2	
FIELD TOTAL	220.0			1.2		1.2	1.2	
BELLOY 078-01W6								
BELLOY A	68.5	0.15		10.3		10.3	10.3	
BELLOY B	78.2	0.10		7.8		7.8	3.9	3.9
DEBOLT A,B & C	139.0	0.10		13.9		13.9	7.2	6.7
D-1 A	165.0	0.20		33.0		33.0	22.0	11.0
D-1 B	712.0	0.20		142.0		142.0	65.1	76.9
D-1 C	46.4	<0.13		5.7		5.7	5.7	
D-1 D	542.0	0.15		81.3		81.3	39.4	41.9
D-1 G	67.0	0.10		6.7		6.7	4.4	2.3
D-1 H	186.0	0.20		37.2		37.2	20.1	17.1
D-1 I	171.0	0.10		17.1		17.1	9.5	7.6
D-1 J	249.0	0.15		37.4		37.4	18.8	18.6
D-1 K	375.0	0.15		56.3		56.3	20.5	35.8
D-1 L	222.0	0.35		77.7		77.7	42.5	35.2
D-1 M	183.0	0.20		36.6		36.6	20.4	16.2
D-1 N	291.0	<0.02		3.1		3.1	3.1	
D-1 O	176.0	0.12		21.1		21.1	16.4	4.7
D-1 P	184.0	0.10		18.4		18.4	11.5	6.9
D-1 Q	172.0	<0.03		3.9		3.9	3.9	
D-1 R	73.9	<0.02		0.8		0.8	0.8	
D-1 S	66.0	0.35		23.1		23.1	8.1	15.0

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
128	8.55	0.090	0.14	0.76	107	825	70	12 410	1 777.5	1988	92 05
457	7.08	0.106	0.11	0.77	92	835	51	16 666	1 716.5	1989	91 12
116	6.62	0.160	0.09	0.76	107	826	70	12 353	1 770.7	1991	92 09
64	15.20	0.080	0.15	0.76	107	825	70	12 466	1 763.7	1990	91 07
64	15.70	0.074	0.30	0.80	76	910	51	16 270	1 717.2	1963	92 12 - GPP
1 936	2.97	0.067	0.17	0.67	163	825	58	16 070	1 756.6	1951	91 10 - GPP
130	4.72	0.077	0.20	0.70	142	829	58	15 270	1 746.5	1965	92 12 - GPP
64	4.00	0.110	0.15	0.67	163	827	58	16 065	1 709.5	1985	85 09
64	2.50	0.070	0.23	0.67	163	895	54	12 624	1 736.5	1986	86 10
16	1.40	0.200	0.42	0.85	62	875	37	9 944	1 278.8	1991	91 11
64	1.80	0.210	0.34	0.85	68	883	31	9 564	1 179.1	1984	84 11
574	1.82	0.146	0.40	0.90	35	839	37	5 690	983.9	1953	91 12 - GPP
194	1.54	0.150	0.40	0.90	35	839	37	5 690	990.3	1954	89 12 - GPP
451	2.53	0.152	0.40	0.90	35	839	37	5 857	970.2	1954	90 11 - GPP
64	5.79	0.050	0.19	0.67	160	876	62	15 800	1 654.1	1974	81 12
65	7.32	0.200	0.20	0.64	283	833	55	19 439	2 104.9	1955	75 12 - ABAND 68 05
64	2.00	0.200	0.35	0.90	29	864	38	5 163	794.0	1978	85 12 - ABAND 83 07
64	6.20	0.095	0.20	0.73	115	820	77	21 173	2 331.0	1988	89 03 - ABAND 89 04
64	1.70	0.110	0.31	0.83	66	868	45	12 397	1 257.7	1951	92 09 - ABAND 92 07
64	2.00	0.130	0.39	0.77	100	885	40	11 425	1 248.7	1985	85 08 - GPP
64	1.50	0.280	0.39	0.85	52	853	47	1 493.7	1 493.7	1972	92 12 - GPP
32	26.30	0.030	0.13	0.75	145	865	65	17 762	2 078.8	1984	90 12 - GPP
128	35.65	0.026	0.23	0.78	111	884	60	21 633	2 041.6	1986	90 12 - GPP
32	6.80	0.040	0.29	0.75	96	850	67	22 071	2 068.8	1985	90 12 - ABAND 89 11
64	55.00	0.026	0.25	0.79	88	838	56	22 939	2 115.8	1987	90 12 - GPP
8	23.46	0.071	0.25	0.67	89	858	71	20 836	2 002.7	1987	90 12 - GPP
32	22.59	0.044	0.25	0.78	111	841	60	20 987	2 194.6	1988	90 12 - GPP
16	40.30	0.040	0.16	0.79	80	827	69	22 608	2 123.1	1988	90 12 - GPP
40	27.30	0.037	0.21	0.78	111	841	60	21 255	2 005.5	1988	90 12 - GPP
32	43.80	0.044	0.22	0.78	111	841	60	22 473	2 143.2	1988	90 12 - GPP
64	33.60	0.019	0.19	0.67	163	832	64	22 426	2 096.1	1988	90 12 - GPP
32	25.80	0.033	0.14	0.78	111	841	60	21 938	2 075.1	1988	90 08
8	84.00	0.060	0.13	0.83	111	849	60	20 182	2 000.4	1989	92 11 - GPP
16	43.00	0.040	0.18	0.78	111	841	60	21 653	2 054.5	1989	92 08
16	50.40	0.037	0.22	0.79	99	852	57	22 426	2 088.4	1989	92 08 - GPP
16	55.70	0.037	0.33	0.78	111	824	60	20 764	2 034.9	1989	92 04 - ABAND 92 01
16	101.50	0.010	0.35	0.70	144	824	69	21 615	2 134.3	1990	92 09 - ABAND 92 01
32	45.50	0.010	0.42	0.78	111	884	60	20 409	2 050.7	1990	91 04

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3	
BELLOV 078-01W6 (CONTINUED)									
D-1 T	392.0	0.10		39.2		39.2	29.4	9.8	
D-1 U	99.3	0.25		24.8		24.8	12.9	11.9	
D-1 V	101.0	0.10		10.1		10.1	7.1	3.0	
D-1 W	265.0	0.10		26.5		26.5	0.2	26.3	
D-1 X	81.3	<0.01		0.1		0.1	0.1		
D-1 Y	112.0	0.35		39.2		39.2	10.9	28.3	
D-1 Z	171.0	0.35		59.9		59.9	13.0	46.9	
D-1 AA	75.4	0.20		15.1		15.1	0.2	14.9	
D-1 BB	179.0	0.30		53.7		53.7	20.3	33.4	
D-1 CC	208.0	<0.02		2.3		2.3	2.3		
FIELD TOTAL	5 851.0			904.3		904.3	430.0	474.3	
BELLSHILL LAKE 041-12W4									
UPPER VIKING A	67.7	<0.01		0.2		0.2	0.2		
BLAIRMORE	37 380.0	0.38		14 200.0		14 200.0	12 305.0	1 895.0	
BLAIRMORE E	1 400.0	0.02		28.0		28.0	10.7	17.3	
BLAIRMORE F	31.3	<0.01		0.3		0.3	0.3		
BLAIRMORE G	214.0	0.10		21.4		21.4	4.3	17.1	
BLAIRMORE H	141.0	0.10		14.1		14.1	6.8	7.3	
BLAIRMORE I	123.0	0.10		12.3		12.3	3.3	9.0	
ELLERSLIE A	3 742.0	0.15		561.0		561.0	74.1	486.9	
ELLERSLIE C	51.1	<0.01		0.1		0.1	0.1		
ELLERSLIE D	276.0	0.05		13.8		13.8	3.8	10.0	
FIELD TOTAL	43 426.1			14 851.2		14 851.2	12 408.6	2 442.6	
BERRY 027-12W4									
UPPER MANNVILLE C	1 175.0	0.07		82.3		82.3	63.3	19.0	
LOWER MANNVILLE L	19.0	0.15		2.9		2.9	1.6	1.3	
FIELD TOTAL *	1 194.0			85.2		85.2	64.9	20.3	
BIGORAY 052-08W5									
BELLY RIVER A	239.0	<0.01		2.2		2.2	2.2		
CARDIUM B TOTAL	3 442.0			344.0	770.0	1 114.0	885.8	228.2	
PRIMARY AREA	364.0	0.10		36.4		36.4			
WATER FLOOD AREA	3 078.0	0.10	0.25	308.0	770.0	1 078.0			
OSTRACOD TOTAL	2 908.0			349.0	515.0	864.0	831.3	32.7	
PRIMARY AREA	458.0	0.12		55.0		55.0			
WATER FLOOD AREA	2 450.0	0.12	0.21	294.0	515.0	809.0			
OSTRACOD B	321.0	<0.02		4.4		4.4	4.4		
OSTRACOD E	61.5	<0.01		0.3		0.3	0.3		
ELLERSLIE A	266.0	0.02		5.3		5.3	4.2	1.1	
ELLERSLIE B	277.0	0.10		27.7		27.7	9.0	18.7	
ELLERSLIE D TOTAL	1 095.0			110.0	190.0	300.0	163.3	136.7	
PRIMARY AREA	145.0	0.10		14.5		14.5			
WATER FLOOD AREA	950.0	0.10	0.20	95.0	190.0	285.0			
ELLERSLIE E	142.0	0.10		14.2		14.2	11.8	2.4	
ELLERSLIE G	1 321.0	0.10		132.0		132.0	111.1	20.9	
ELLERSLIE J	24.5	0.15		3.7		3.7	0.4	3.3	
ROCK CREEK A	187.0	<0.03		5.1		5.1	5.1		
ROCK CREEK B	37.0	<0.01		0.1		0.1	0.1		
ROCK CREEK C	130.0	<0.05		5.5		5.5	5.5		
NISKU A WATER FLOOD	737.0	0.30	0.15	222.0	111.0	333.0	281.6	51.4	
NISKU B	1 500.0	0.30	0.30	450.0	450.0	900.0	755.0	145.0	
SOLVENT FLOOD									
NISKU C WATER FLOOD	1 200.0	0.35	0.11	420.0	132.0	552.0	219.7	332.3	
NISKU D WATER FLOOD	2 200.0	0.40	0.10	880.0	220.0	1 100.0	517.0	583.0	
NISKU E WATER FLOOD	2 001.0	0.35	0.10	700.0	200.0	900.0	543.0	357.0	
NISKU F	2 800.0	0.40	0.36	1 120.0	1 010.0	2 130.0	1 728.5	401.5	
SOLVENT FLOOD									
NISKU G WATER FLOOD	924.0	0.30	0.20	277.0	185.0	462.0	405.6	56.4	
NISKU H WATER FLOOD	2 200.0	0.30	0.12	660.0	264.0	924.0	758.9	165.1	
NISKU I WATER FLOOD	600.0	<0.34	0.10	200.0	60.0	260.0	182.4	77.6	
NISKU K WATER FLOOD	870.0	0.30	0.22	261.0	191.0	452.0	397.1	54.9	
FIELD TOTAL *	25 483.0			6 193.5	4 298.0	10 491.5	7 823.3	2 668.2	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
16	84.80	0.050	0.26	0.78	111	884	60	21 895	2 107.4	1990	92 08
16	20.80	0.051	0.26	0.79	102	851	72	22 401	2 141.7	1990	91 05 - GPP
16	22.20	0.050	0.28	0.79	102	851	72	21 679	2 054.4	1990	92 08
32	29.10	0.050	0.28	0.79	102	851	72	21 088	1 982.5	1990	91 09
16	19.33	0.045	0.26	0.79	102	851	72	23 113	2 160.4	1990	91 08 - ABAND 90 10
64	7.80	0.040	0.29	0.79	102	851	72	23 759	2 124.5	1990	91 12
32	30.00	0.030	0.24	0.78	111	832	60	22 408	2 121.3	1990	91 04
32	10.50	0.040	0.29	0.79	102	793	72	23 759	2 179.8	1986	91 10
64	12.80	0.040	0.30	0.78	111	832	60	22 514	2 087.8	1991	92 04
16	90.40	0.030	0.40	0.80	83	864	68	20 086	1 986.3	1984	85 02 - ABAND 86 07
64	0.93	0.250	0.50	0.91	37	849	27	5 520	767.8	1957	75 12 - ABAND 84 07
2 302	8.74	0.270	0.26	0.93	29	892	34	6 480	919.6	1955	91 10 - GPP
218	4.60	0.200	0.25	0.93	28	899	32	6 220	955.1	1977	89 12 - GPP
16	2.00	0.150	0.30	0.93	26	866	33	5 935	921.6	1979	85 12 - GPP
64	4.00	0.150	0.40	0.93	26	894	30	5 703	980.8	1985	86 06 - GPP
32	3.00	0.250	0.38	0.95	16	908	34	5 644	928.0	1989	89 11 - GPP
16	5.00	0.210	0.24	0.96	13	894	31	5 587	981.5	1989	90 03 - GPP
413	4.51	0.270	0.20	0.93	28	913	33	6 454	971.5	1983	92 10 - GPP
16	1.60	0.280	0.25	0.95	40	922	34	6 387	984.8	1984	81 12 - ABAND 87 10
32	5.40	0.240	0.30	0.95	16	908	34	5 847	919.2	1989	89 12 - GPP
490	2.43	0.190	0.41	0.88	49	828	43	9 601	1 101.2	1980	91 12 - GPP
9	1.80	0.190	0.35	0.95	40	868	36	9 645	1 076.0	1990	91 01 - GPP
64	4.00	0.195	0.45	0.87	54	822	34	7 824	1 084.1	1987	89 12 - ABAND 90 03
1 106	3.81	0.050	0.15	0.90	50	872	49	14 990	1 492.7	1978	89 12
250	4.47	0.109	0.18	0.90							- GPP
856					111	839	59	17 240	1 795.6	1959	90 12
1 290	1.57	0.187	0.30	0.76							- GPP
293	2.47	0.187	0.30	0.76							- GPP
997	4.00	0.220	0.25	0.76	120	834	60	17 650	1 841.6	1968	81 12 - ABAND 80 10
64	2.80	0.140	0.43	0.86	52	839	44	16 162	1 591.5	1991	92 07 - ABAND 92 03
32	4.00	0.190	0.30	0.78	89	839	60	16 025	1 785.3	1979	81 12 - GPP
64	2.44	0.320	0.29	0.78	25	853	50	13 809	1 816.6	1974	80 09
512					111	833	64	16 202	1 820.1	1979	89 01
64	3.30	0.133	0.31	0.75							- GPP
448	3.51	0.130	0.38	0.75							- GPP
64	3.24	0.137	0.39	0.82	70	843	65	14 471	1 821.6	1979	80 10 - GPP
448	5.09	0.120	0.32	0.71	113	853	50	16 555	1 800.3	1977	91 08 - GPP
64	0.50	0.140	0.24	0.72	139	835	64	15 172	1 878.5	1980	91 07
64	3.00	0.200	0.30	0.70	135	840	62	16 466	1 780.2	1977	82 03 - GPP
80	1.50	0.110	0.60	0.70	121	840	57	15 097	1 770.4	1979	85 07 - GPP
93	2.19	0.140	0.35	0.70	121	840	57	15 739	1 770.4	1979	89 12 - GPP
66	30.50	0.062	0.28	0.82	73	847	73	20 180	2 347.6	1978	81 02 - GPP
67	49.24	0.067	0.22	0.87	71	834	76	21 725	2 340.0	1978	81 06 - GPP
82	32.96	0.075	0.26	0.80	106	860	79	21 940	2 423.7	1978	87 05 - GPP
190	18.48	0.088	0.11	0.80	84	841	80	29 100	2 496.4	1978	79 04 - GPP
100	45.76	0.060	0.10	0.81	56	835	80	28 448	2 504.4	1978	81 12 - GPP
52	65.79	0.110	0.07	0.80	71	834	78	22 000	2 400.0	1977	87 07 - GPP
67	20.20	0.120	0.28	0.79	88	835	74	20 343	2 340.4	1978	88 12 - GPP
58	45.89	0.120	0.18	0.84	50	842	73	18 740	2 290.3	1978	83 01 - GPP
51	24.74	0.092	0.32	0.76	100	840	73	17 940	2 285.7	1978	81 11 - GPP
43	40.05	0.081	0.23	0.81	63	848	69	19 360	2 301.2	1979	91 12 - GPP

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 103m3	2 3		4 5 6			7 CUMULATIVE PRODUCTION 103m3	8 REMAINING ESTABLISHED RESERVES 103m3
		RECOVERY		INITIAL ESTABLISHED RESERVES				
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
BIGSTONE 060-22W5								
CARDIUM A	16.1	<0.02		0.3		0.3	0.3	
CARDIUM B	149.0	0.10		14.9		14.9	8.5	6.4
CARDIUM C	98.7	0.20		19.7		19.7	13.3	6.4
FIELD TOTAL	263.8			34.9		34.9	22.1	12.8
BILAWCHUK 080-09W6								
HALFWAY A	394.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	394.0			0.2		0.2	0.2	
BILBO 065-06W6								
A CARDIUM A	888.0	0.15		133.0		133.0	84.9	48.1
A CARDIUM B	169.0	0.10		16.9		16.9	13.3	3.6
FIELD TOTAL	1 057.0			149.9		149.9	98.2	51.7
BITTERN LAKE 046-22W4								
NISKU A	180.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	180.0			0.2		0.2	0.2	
BLACK 110-09W6								
MUSKEG A	150.0	0.40		60.0		60.0	41.4	18.6
MUSKEG C	360.0	0.15		54.0		54.0	35.7	18.3
MUSKEG D	55.6	<0.05		2.7		2.7	2.7	
KEG RIVER A	2 860.0	0.15	0.10	429.0	286.0	715.0	667.3	47.7
WATER FLOOD								
KEG RIVER B	111.0	0.05		5.5		5.5	2.8	2.7
KEG RIVER C	95.0	0.10		9.5		9.5	1.9	7.6
FIELD TOTAL	3 631.6			560.7	286.0	846.7	751.8	94.9
BLACKFOOT 022-23W4								
LOWER MANNVILLE A	106.0	0.20		21.2		21.2	16.4	4.8
FIELD TOTAL	106.0			21.2		21.2	16.4	4.8
BONANZA 081-11W6								
BOUNDARY A TOTAL	6 059.0			761.0	739.0	1 500.0	529.4	970.6
PRIMARY AREA	149.0	0.15		22.4		22.4		
WATER FLOOD AREA	5 910.0	0.12	0.12	739.0	739.0	1 478.0		
BOUNDARY C	161.0	0.10		16.1		16.1	2.6	13.5
DOIG A	393.0	0.05		19.7		19.7	1.7	18.0
DOIG B	1 021.0	0.05		51.1		51.1	8.5	42.6
FIELD TOTAL	7 634.0			847.9	739.0	1 586.9	542.2	1 044.7
BONNIE GLEN 046-27W4								
CARDIUM A	4 130.0	0.05		207.0		207.0	202.9	4.1
D-2 A	138.0	<0.08		9.8		9.8	9.8	
D-3 A	125 000.0	<0.66		82 000.0		82 000.0	81 447.6	552.4
FIELD TOTAL	129 268.0			82 216.8		82 216.8	81 660.3	556.5
BOUNDARY LAKE SOUTH 085-13W6								
TRIASSIC B	131.0	<0.01		0.2		0.2	0.2	
TRIASSIC C TOTAL	3 586.0			413.0	324.0	737.0	463.5	273.5
PRIMARY AREA	886.0	0.10		88.6		88.6		
WATER FLOOD AREA	2 700.0	0.12	0.12	324.0	324.0	648.0		
TRIASSIC E TOTAL	12 840.0			1 213.0	2 790.0	4 003.0	3 248.1	754.9
PRIMARY AREA	3 537.0	0.08		283.0		283.0		
WATER FLOOD AREA	9 300.0	0.10	0.30	930.0	2 790.0	3 720.0		
TRIASSIC F	50.0	<0.01		0.2		0.2	0.2	
TRIASSIC G	171.0	0.10		17.1		17.1		17.1
TRIASSIC H TOTAL	3 655.0			366.0	578.0	944.0	412.3	531.7
PRIMARY AREA	445.0	0.10		44.5		44.5		
WATER FLOOD AREA	3 210.0	0.10	0.18	321.0	578.0	899.0		
TRIASSIC I	475.6	0.10		47.5		47.5	26.6	20.9
TRIASSIC J	193.0	0.10		19.3		19.3	13.6	5.7
TRIASSIC M	112.0	0.05		5.6		5.6	0.3	5.3

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	0.93	0.074	0.47	0.69	148	821	64	15 712	1 706.7	1987	92 10
64	3.69	0.100	0.17	0.76	110	865	49	16 024	1 820.0	1976	76 12 - GPP
64	4.20	0.070	0.31	0.76	150	852	60	20 886	1 822.5	1980	92 12 - GPP
64	12.51	0.113	0.42	0.75	100	844	61	11 750	1 485.5	1983	88 12 - ABAND 90 02
1 294	1.20	0.110	0.35	0.80	75	803	45	12 812	1 509.9	1985	91 01 - GPP
192	1.80	0.100	0.35	0.75	120	835	43	14 459	1 377.0	1979	88 05 - GPP
64	7.50	0.080	0.45	0.85	55	875	41	10 182	1 373.5	1982	82 07
64	7.54	0.060	0.30	0.74	62	829	85	15 950	1 916.6	1968	92 12 - GPP
48	15.27	0.079	0.16	0.74	96	830	84	16 022	1 863.1	1967	86 11
16	8.80	0.060	0.11	0.74	98	820	76	14 831	1 599.5	1984	90 12 - ABAND 89 02
80	82.00	0.078	0.14	0.65	160	806	91	18 730	1 993.7	1967	79 12 - GPP
10	30.50	0.070	0.20	0.65	160	806	85	16 480	1 742.5	1968	90 12 - GPP
16	12.00	0.075	0.12	0.75	86	832	74	16 080	1 925.0	1988	90 12 - GPP
128	0.92	0.150	0.25	0.80	83	845	43	12 680	1 542.4	1963	80 03 - GPP
2 570					62	862	54	13 475	1 388.9	1973	89 12
64	2.40	0.210	0.45	0.84							
2 506	2.60	0.150	0.28	0.84							
64	2.68	0.130	0.14	0.84	62	835	53	13 077	1 323.8	1990	91 04 - GPP
48	10.83	0.130	0.30	0.83	76	845	58	13 694	1 474.3	1989	92 11
128	10.56	0.140	0.35	0.83	76	845	58	13 273	1 467.5	1990	91 04
1 318	3.26	0.130	0.16	0.88	41	834	49	14 270	1 204.3	1955	83 12 - GPP
67	6.28	0.057	0.20	0.72	124	815	76	14 270	1 946.5	1952	71 12 - ABAND 71 10
3 120	59.13	0.106	0.06	0.68	141	815	81	17 100	2 165.6	1952	91 12 - GPP
65	1.83	0.197	0.25	0.75	98	844	46	13 100	1 385.6	1965	68 03 - ABAND 67 09
879					110	844	48	12 640	1 306.1	1963	82 08
192	3.18	0.206	0.12	0.80							
687	2.57	0.210	0.09	0.80							
5 483					92	846	47	12 860	1 330.0	1964	- GPP
2 128	1.65	0.150	0.15	0.79							92 05 - GPP
3 355	2.55	0.160	0.14	0.79							
64	0.61	0.175	0.05	0.77	106	844	46	12 560	1 317.7	1964	80 04
64	3.00	0.160	0.33	0.83	261	816	55	11 098	1 315.6	1967	92 12
1 565					92	844	49	12 752	1 283.9	1973	88 08
64	4.99	0.196	0.10	0.79							
1 501	1.99	0.160	0.15	0.79							- GPP
192	2.08	0.175	0.18	0.83	62	844	47	12 240	1 303.9	1977	80 11
64	2.30	0.210	0.21	0.79	183	838	47	6 113	1 326.5	1988	89 02 - GPP
32	3.60	0.160	0.25	0.81	76	814	66	12 213	1 408.3	1990	91 04

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
BOUNDARY LAKE SOUTH 085-13W6 (CONTINUED)								
TRIASSIC N	1 152.0	0.15		173.0		173.0	33.5	139.5
CHARLIE LAKE A	231.0	0.05		11.6		11.6	9.5	2.1
BOUNDARY A	523.0	0.15		78.5		78.5	59.6	18.9
BOUNDARY C	90.8	<0.01		0.1		0.1	0.1	
BOUNDARY D	709.0	0.10		70.9		70.9	9.1	61.8
FIELD TOTAL	23 919.4			2 416.0	3 692.0	6 108.0	4 276.6	1 831.4
BRANT 019-25W4								
ELLERSLIE A	12.0	0.01		0.1		0.1	0.1	
TURNER VALLEY A	103.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	115.0			0.2		0.2	0.2	
BRAZEAU RIVER 046-13W5								
BELLY RIVER A	94.1	<0.02		1.4		1.4	1.4	
BELLY RIVER C	1 000.0	0.15		150.0		150.0	78.6	71.4
BELLY RIVER D	194.0	0.10		19.4		19.4	9.8	9.6
BELLY RIVER G	113.0	<0.02		1.8		1.8	1.8	
BELLY RIVER I	127.0	<0.01		0.2		0.2	0.2	
BELLY RIVER J	174.0	<0.01		0.1		0.1	0.1	
BELLY RIVER M	214.0	0.10		21.4		21.4	0.2	21.2
BELLY RIVER O	600.0	0.05		30.0		30.0	5.1	24.9
BELLY RIVER P	186.0	0.10		18.6		18.6	1.3	17.3
BELLY RIVER Q	262.0	0.05		13.1		13.1	4.8	8.3
BELLY RIVER S	63.1	<0.01		0.4		0.4	0.4	
BELLY RIVER T	133.0	0.10		13.3		13.3	0.7	12.6
BELLY RIVER U	151.0	0.10		15.1		15.1	5.9	9.2
BELLY RIVER V	78.5	0.10		7.9		7.9	5.1	2.8
BELLY RIVER W	171.0	0.10		17.1		17.1	5.0	12.1
BELLY RIVER X	1 265.0	0.10		127.0		127.0	33.0	94.0
BELLY RIVER Z	269.0	<0.01		0.3		0.3	0.3	
BELLY RIVER AA	113.0	0.05		5.7		5.7	1.3	4.4
BELLY RIVER BB	113.0	0.15		17.0		17.0	14.7	2.3
BELLY RIVER FF	2 501.0	0.15		375.0		375.0	108.7	266.3
BELLY RIVER II	3 223.0	0.10		322.0		322.0	118.0	204.0
BELLY RIVER JJ	263.0	0.05		13.2		13.2	1.2	12.0
BELLY RIVER KK	178.0	0.10		17.8		17.8	6.9	10.9
BELLY RIVER LL	328.0	0.05		16.4		16.4	3.7	12.7
BELLY RIVER MM	137.0	0.02		2.7		2.7	1.0	1.7
BELLY RIVER NN	71.4	0.10		7.1		7.1	0.8	6.3
BELLY RIVER OO	93.7	<0.01		0.3		0.3	0.3	
BELLY RIVER PP	165.0	0.10		16.5		16.5	2.1	14.4
BELLY RIVER QO	602.0	0.05		30.1		30.1	8.9	21.2
BELLY RIVER RR	224.0	0.10		22.4		22.4	4.4	18.0
BELLY RIVER SS	148.0	0.05		7.4		7.4	0.2	7.2
BELLY RIVER TT	75.5	0.10		7.6		7.6	0.2	7.4
BELLY RIVER UU	226.0	0.10		22.6		22.6	6.4	16.2
BELLY RIVER VV	247.0	0.10		24.7		24.7	4.0	20.7
BELLY RIVER ZZ	212.0	0.10		21.2		21.2		21.2
BELLY RIVER H & Y	4 745.0			712.0	127.0	839.0	384.7	454.3
TOTAL								
PRIMARY AREA	3 900.0	0.15		585.0		585.0		
WATER FLOOD AREA	845.0	0.15	0.15	127.0	127.0	254.0		
BELLY RIVER CC & DD	60.8	0.05		3.0		3.0	2.4	0.6
BELLY RIVER E & F	2 177.0	0.04		87.0		87.0	64.3	22.7
CARDIUM A	193.0	0.10		19.3		19.3	18.0	1.3
CARDIUM C	2 117.0	0.07		148.0		148.0	126.9	21.1
CARDIUM D	90.0	<0.01		0.5		0.5	0.5	
CARDIUM G	188.0	0.15		28.2		28.2	17.9	10.3
CARDIUM I	200.0	0.15		30.0		30.0	23.4	6.6
CARDIUM K	708.0	0.06		42.5		42.5	34.0	8.5
CARDIUM O	52.3	0.15		7.8		7.8	6.3	1.5
CARDIUM P	205.0	0.15		30.8		30.8	15.9	14.9
CARDIUM Q	38.6	0.15		5.8		5.8	3.7	2.1
CARDIUM R	331.0	0.08		26.5		26.5	25.6	0.9
CARDIUM T	65.6	0.15		9.8		9.8		9.8
CARDIUM V	139.0	0.10		13.9		13.9	5.7	8.2
VIKING A	465.0	0.15		69.8		69.8	33.9	35.9
VIKING D TOTAL	1 279.0			243.0	111.0	354.0	258.0	96.0

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
483	3.18	0.130	0.27	0.79	183	838	47	10 166	1 283.8	1991	92 10 - GPP
64	2.50	0.210	0.15	0.81	36	927	42	11 101	1 291.3	1983	90 11 - GPP
553	0.77	0.170	0.13	0.83	90	844	50	11 468	1 281.9	1983	92 03
64	1.60	0.120	0.11	0.83	60	844	50	12 800	1 312.0	1984	88 12
128	3.54	0.220	0.10	0.79	91	843	47	11 399	1 275.6	1988	92 03
16	1.70	0.080	0.30	0.79	92	879	44		1 787.3	1990	92 09 - ABAND 92 03
64	7.70	0.050	0.45	0.76	108	900	64	14 690	1 469.0	1980	80 06 - ABAND 85 08
64	1.80	0.170	0.46	0.89	27	869	33	9 650	1 389.3	1978	84 12
413	5.00	0.110	0.45	0.80	90	810	58	10 394	1 937.4	1985	91 04 - GPP
64	5.40	0.120	0.40	0.78	90	853	62	10 164	1 984.4	1985	87 04 - GPP
64	4.00	0.090	0.45	0.89	62	826	57	8 769	1 661.1	1985	91 10 - ABAND 90 05
64	3.50	0.120	0.40	0.79	85	857	53	7 884	1 495.0	1985	92 08 - ABAND 92 05
64	4.00	0.140	0.40	0.81	82	810	61	9 567	1 691.2	1986	87 04
64	7.00	0.110	0.45	0.79	85	812	53	8 769	1 658.3	1986	87 08
128	9.68	0.110	0.45	0.80	111	850	66	10 292	1 827.2	1987	91 04 - GPP
64	6.40	0.110	0.45	0.75	111	813	66	10 596	1 728.2	1976	88 02
32	13.50	0.135	0.40	0.75	111	800	66	10 644	2 032.0	1987	92 08
16	5.20	0.160	0.40	0.79	87	826	48	9 194	1 760.3	1987	92 09 - ABAND 92 06
64	4.05	0.120	0.45	0.78	86	800	57	10 721	1 744.9	1986	90 08
64	5.00	0.110	0.45	0.78	84	830	60	11 176	1 930.8	1987	88 04 - GPP
64	2.60	0.110	0.45	0.78	84	784	60	11 123	1 921.6	1987	88 04
64	5.20	0.120	0.45	0.78	86	784	58	10 480	1 875.2	1987	88 04 - GPP
419	5.35	0.120	0.44	0.84	56	810	61	8 386	1 707.2	1987	89 09 - GPP
64	7.00	0.130	0.45	0.84	56	810	61	9 156	1 893.1	1985	85 07 - ABAND 85 07
32	6.00	0.127	0.45	0.84	56	810	61	7 805	1 761.9	1985	92 08
65	3.05	0.140	0.47	0.77	106	876	54	10 830	2 057.1	1965	88 12 - GPP
449	8.50	0.140	0.40	0.78	93	800	58	10 297	1 766.9	1987	92 06
1 100	6.83	0.110	0.50	0.78	93	800	63	12 623	1 892.8	1961	91 12
64	8.05	0.125	0.50	0.81	73	805	47	11 859	1 737.4	1988	89 09 - GPP
64	5.50	0.130	0.50	0.78	93	800	63	8 135	1 639.1	1988	89 10 - GPP
64	9.70	0.120	0.45	0.80	84	799	58	8 174	1 642.5	1988	91 12 - GPP
16	15.00	0.130	0.45	0.80	80	852	48	8 770	1 501.3	1989	92 08 - GPP
64	2.50	0.110	0.48	0.78	84	799	62	9 839	1 692.8	1989	90 05 - GPP
16	10.50	0.130	0.45	0.78	84	779	62	7 698	1 820.6	1988	92 12
64	6.00	0.110	0.50	0.78	84	799	62	11 105	2 068.0	1978	90 06 - GPP
64	12.00	0.140	0.30	0.80	90	811	58	8 937	1 522.2	1989	90 07 - GPP
64	6.40	0.100	0.30	0.78	86	800	57	10 319	1 755.5	1989	90 07
32	7.00	0.130	0.35	0.78	93	800	63	9 406	1 599.0	1990	91 08 - GPP
64	2.50	0.110	0.45	0.78	93	800	63	10 370	1 799.8	1990	91 07
64	6.50	0.120	0.42	0.78	93	800	63		1 506.8	1990	91 07
64	7.50	0.120	0.45	0.78	93	800	63	10 616	1 706.3	1990	91 07 - GPP
64	5.90	0.120	0.40	0.78	84	791	62	10 500	1 744.6	1991	92 04
1 652					111	828	66	11 866	2 013.0	1964	92 01
1 375	5.55	0.117	0.44	0.78							
277	5.57	0.120	0.40	0.76							
16	5.40	0.125	0.25	0.75	111	775	66	10 386	1 857.2	1987	92 05 - GPP
1 130	3.81	0.120	0.48	0.81	82	810	61	10 251	1 788.9	1985	92 02 - GPP
195	1.52	0.140	0.20	0.58	164	788	71	16 550	2 371.3	1966	83 12 - GPP
2 148	2.36	0.090	0.20	0.58	293	784	77	26 331	2 446.4	1973	91 12
64	3.00	0.101	0.20	0.58	164	826	60	22 623	2 100.9	1980	88 12 - GPP
100	4.50	0.090	0.20	0.58	115	783	73	26 177	2 456.8	1981	86 09
103	3.00	0.140	0.20	0.58	240	793	76	25 470	2 417.4	1971	85 12 - GPP
1 079	1.91	0.080	0.26	0.58	245	796	76	25 895	2 298.6	1973	92 09 - GPP
64	1.60	0.110	0.20	0.58	210	760	66	25 834	2 364.4	1985	86 03 - GPP
192	2.16	0.120	0.29	0.58	235	808	82	26 646	2 371.4	1986	88 07
64	1.50	0.090	0.23	0.58	235	781	82	27 783	2 427.3	1985	92 12
256	1.85	0.120	0.13	0.67	217	806	76	22 710	2 475.3	1956	88 08 - GPP
64	1.60	0.170	0.35	0.58	245	796	76		2 220.6	1987	89 12
64	5.20	0.120	0.40	0.58	245	796	76		2 477.9	1991	92 12
256	1.82	0.160	0.20	0.78	114	815	79	25 240	2 464.0	1973	79 10
834					160	833	80	30 409	2 534.0	1973	92 04

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
BRAZEAU RIVER 046-13W5 (CONTINUED)								
PRIMARY AREA	171.0	0.12		20.5		20.5		
WATER FLOOD AREA	1 108.0	0.20	0.10	222.0	111.0	333.0		
LOWER MANNVILLE A	121.0	<0.09		9.9		9.9	9.9	
LOWER MANNVILLE B	81.4	<0.03		2.4		2.4	2.4	
LOWER MANNVILLE C	362.0	0.03		10.9		10.9	4.8	6.1
LOWER MANNVILLE D	110.0	0.10		11.0		11.0	2.2	8.8
CADOMIN A	39.7	<0.04		1.3		1.3	1.3	
CADOMIN B	108.0	<0.05		4.4		4.4	4.4	
ROCK CREEK B	378.0	<0.01		0.8		0.8	0.8	
NISKU A	5 300.0	0.40	0.35	2 120.0	1 860.0	3 980.0	3 873.8	106.2
SOLVENT FLOOD								
NISKU B	2 300.0	0.40	0.24	920.0	550.0	1 470.0	1 198.5	271.5
SOLVENT FLOOD								
NISKU C	66.6	0.15		10.0		10.0	4.7	5.3
NISKU D	2 700.0	0.50	0.05	1 350.0	135.0	1 485.0	1 267.1	217.9
SOLVENT FLOOD								
NISKU E	2 300.0	<0.46	0.33	1 041.0	759.0	1 800.0	1 685.0	115.0
SOLVENT FLOOD								
NISKU G	85.0	0.30		25.5		25.5	17.7	7.8
NISKU H	85.0	0.30		25.5		25.5	23.2	2.3
NISKU I	1 055.0	0.35		369.0		369.0	308.6	60.4
NISKU L WATER FLOOD	575.0	0.30	0.25	173.0	144.0	317.0	112.1	204.9
NISKU X WATER FLOOD	595.0	0.30	0.20	179.0	119.0	298.0	93.2	204.8
FIELD TOTAL	43 331.3			9 098.4	3 805.0	12 903.4	10 067.4	2 836.0
BRUCE 047-14W4								
LOWER MANNVILLE I	372.0	<0.01		0.3		0.3	0.3	
ELLERSLIE PP	315.0	<0.01		2.9		2.9	2.9	
WABAMUN L	87.3	<0.01		0.7		0.7	0.7	
WABAMUN M	93.0	<0.01		0.7		0.7	0.7	
WABAMUN N	47.8	<0.01		0.1		0.1	0.1	
STETTLE A	53.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	968.1			4.8		4.8	4.8	
BUFFALO LAKE 039-21W4								
D-3	1 410.0	0.58		818.0		818.0	785.1	32.9
D-3 B	782.0	0.70		547.0		547.0	456.3	90.7
FIELD TOTAL	2 192.0			1 365.0		1 365.0	1 241.4	123.6
BYEMOOR 034-19W4								
VIKING A	144.0	0.08		11.5		11.5	7.3	4.2
UPPER MANNVILLE A	1 077.0	0.07		75.4		75.4	22.0	53.4
FIELD TOTAL	1 221.0			86.9		86.9	29.3	57.6
CACHE 057-11W4								
VIKING D	73.5	<0.01		0.2		0.2	0.2	
FIELD TOTAL	73.5			0.2		0.2	0.2	
CALAIS 070-24W5								
D-3 A	700.0	0.50		350.0		350.0	239.6	110.4
FIELD TOTAL	700.0			350.0		350.0	239.6	110.4
CAMPBELL-NAMAD 054-25W4								
BLAIRMORE A	2 860.0	0.09		257.0		257.0	245.9	11.1
BLAIRMORE C	216.0	0.18		38.9		38.9	36.7	2.2
BLAIRMORE D	150.0	0.20		30.0		30.0	25.0	5.0
BLAIRMORE E	2 938.0	0.06		176.0		176.0	172.8	3.2
BLAIRMORE F	3 960.0	0.10		396.0		396.0	282.8	113.2
BLAIRMORE G	496.0	0.03		14.9		14.9	5.4	9.5
BLAIRMORE J	1 115.0	0.09		100.0		100.0	61.9	38.1
BLAIRMORE M	109.0	<0.01		0.1		0.1	0.1	
BLAIRMORE N	190.0	0.10		19.0		19.0	2.2	16.8
BLAIRMORE O	588.0	0.03		17.6		17.6	7.6	10.0
BLAIRMORE P	21.0	0.10		2.1		2.1	1.4	0.7

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
192	1.30	0.130	0.27	0.72							
642	1.74	0.170	0.19	0.72							
65	4.57	0.090	0.30	0.65	184	815	92	39 610	3 120.2	1967	- GPP
64	1.52	0.170	0.18	0.60	220	804	99	29 950	2 737.7	1975	92 03 - ABAND 90 07
32	9.75	0.210	0.15	0.65	177	812	95	32 960	3 079.1	1974	78 05 - ABAND 84 07
64	2.70	0.150	0.35	0.65	180	803	93	27 319	2 884.2	1967	92 08 - GPP
65	0.91	0.120	0.30	0.80	66	788	96	29 650	3 098.9	1960	84 10 - GPP
64	5.00	0.085	0.25	0.53	352	779	104	32 251	3 119.5	1978	88 08 - GPP
64	8.43	0.124	0.32	0.83	65	803	72	30 251	2 776.3	1983	88 09 - ABAND 90 02
108	72.90	0.110	0.10	0.68	178	806	107	46 530	3 107.4	1977	81 01 - GPP
90	69.23	0.058	0.14	0.74	130	816	102	32 520	3 070.1	1977	87 12 - GPP
10	25.50	0.050	0.13	0.60	195	820	107	33 233	3 092.8	1978	92 11
157	44.88	0.065	0.12	0.67	183	815	102	34 490	3 068.8	1978	90 07 - GPP
142	40.00	0.100	0.12	0.46	354	799	108	46 200	3 200.0	1978	91 12 - GPP
20	22.30	0.045	0.23	0.55	255	813	100	38 230	3 148.5	1978	84 12 - GPP
102	2.45	0.060	0.10	0.63	189	806	105	43 780	3 133.6	1978	87 12 - GPP
112	47.10	0.050	0.20	0.50	396	802	102	33 660	3 044.2	1979	80 08
78	20.77	0.120	0.13	0.34	672	788	105	40 977	3 221.8	1982	90 12
97	23.10	0.070	0.12	0.43	417	795	106	34 530	3 296.5	1986	91 06 - GPP
64	3.40	0.230	0.20	0.93	27	910	34	6 181	865.8	1978	83 12 - ABAND 91 11
64	2.70	0.250	0.20	0.91	35	887	35	6 030	984.6	1985	86 05 - ABAND 89 11
64	1.60	0.170	0.41	0.85	60	875	40	6 861	1 058.6	1987	91 10 - ABAND 89 02
64	4.20	0.080	0.53	0.92	21	868	40	5 877	1 071.5	1986	88 08 - ABAND 91 11
16	2.50	0.200	0.35	0.92	30	973	40	5 868	1 064.8	1988	91 10 - ABAND 89 03
64	2.80	0.060	0.42	0.85	60	868	40	7 246	1 082.3	1986	92 10 - ABAND 91 11
65	28.44	0.101	0.09	0.83	74	892	59	15 170	1 685.2	1961	90 12 - GPP
66	17.20	0.100	0.15	0.81	83	887	57	14 070	1 676.7	1967	92 12
64	2.00	0.200	0.34	0.85	62	828	42	8 079	1 166.0	1977	88 12
505	2.68	0.180	0.48	0.85	64	852	48	8 474	1 215.8	1989	91 12 - GPP
64	1.20	0.230	0.48	0.80	20	888	28	4 139	475.1	1983	88 12
97	20.00	0.062	0.12	0.66	190	824	91	25 616	2 823.0	1986	89 02
809	3.08	0.174	0.25	0.88	41	870	47	8 450	1 132.0	1949	85 12 - GPP
47	3.96	0.180	0.29	0.91	41	870	47	8 340	1 136.0	1953	85 12 - GPP
32	3.14	0.210	0.22	0.91	41	870	48	8 410	1 143.2	1959	92 11 - GPP
503	4.18	0.213	0.20	0.82	41	870	46	8 270	1 115.9	1951	67 05 - GPP
534	4.63	0.220	0.20	0.91	41	870	46	7 830	1 115.9	1966	76 12 - GPP
64	6.00	0.210	0.25	0.82	68	894	41	6 890	1 170.0	1951	89 08 - GPP
313	2.57	0.220	0.30	0.90	43	892	35	7 920	1 142.4	1976	80 12 - GPP
64	1.80	0.150	0.30	0.90	38	850	37	7 928	1 143.3	1983	84 09 - ABAND 84 07
64	4.50	0.150	0.50	0.88	45	864	41	8 248	1 102.8	1984	85 04 - GPP
64	6.40	0.250	0.30	0.82	71	844	51	6 522	1 114.9	1976	88 01 - GPP
16	1.60	0.210	0.57	0.91	39	879	30	7 349	1 072.5	1985	90 11 - GPP

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	
CAMPBELL-NAMAO 054-25W4 (CONTINUED)									
BLAIRMORE O	330.0	0.10		33.0		33.0	0.6	32.4	
BLAIRMORE S	415.0	0.05		20.8		20.8	2.5	18.3	
BLAIRMORE T	51.3	0.05		2.6		2.6	0.5	2.1	
BLAIRMORE U	355.0	0.05		17.8		17.8	3.3	14.5	
BLAIRMORE X	176.0	0.10		17.6		17.6	3.0	14.6	
WABAMUN A	108.0	<0.01		1.0		1.0	1.0		
FIELD TOTAL	14 078.3			1 144.4		1 144.4	852.7	291.7	
CARBON 029-22W4									
GLAUCONITIC G	151.0	0.15		22.6		22.6	11.0	11.6	
GLAUCONITIC H	91.2	0.05		4.6		4.6	1.4	3.2	
PEKISKO B	133.0	0.06		8.0		8.0	6.5	1.5	
PEKISKO E	133.0	<0.10		12.5		12.5	12.0	0.5	
FIELD TOTAL	508.2			47.7		47.7	30.9	16.8	
CARDIFF 055-02W5									
ELLERSLIE B	122.0	0.10		12.2		12.2	0.9	11.3	
WABAMUN A	1 130.0	0.04		45.2		45.2	36.3	8.9	
FIELD TOTAL	1 252.0			57.4		57.4	37.2	20.2	
CARIBOU 062-10W5									
BEAVERHILL LAKE A	76.3	<0.01		0.7		0.7	0.7		
FIELD TOTAL	76.3			0.7		0.7	0.7		
CARMANGAY 013-22W4									
SUNBURST A	887.0	0.15		133.0		133.0	15.6	117.4	
SUNBURST B	101.0	0.10		10.1		10.1	0.4	9.7	
FIELD TOTAL	988.0			143.1		143.1	16.0	127.1	
CAROLINE 035-06W5									
CARDIUM A	188.0	<0.02		2.7		2.7	2.7		
CARDIUM B	58.0	0.10		5.8		5.8	5.4	0.4	
CARDIUM C	191.0	<0.05		9.5		9.5	8.5	1.0	
CARDIUM D	96.5	0.05		4.8		4.8	3.5	1.3	
CARDIUM E TOTAL	9 100.0			822.0	1 628.0	2 450.0	1 932.4	517.6	
PRIMARY AREA	300.0	0.10		30.0		30.0			
SOLVENT FLOOD AREA	4 400.0	0.09	0.21	396.0	924.0	1 320.0			
WATER FLOOD AREA	4 400.0	0.09	0.16	396.0	704.0	1 100.0			
CARDIUM F	530.0	<0.14		71.6		71.6	60.2	11.4	
CARDIUM G	101.0	<0.02		1.7		1.7	1.7		
CARDIUM H	66.2	<0.04		2.5		2.5	2.5		
CARDIUM I	94.2	0.15		14.1		14.1	6.9	7.2	
CARDIUM K	59.9	0.15		9.0		9.0	3.8	5.2	
SECOND WHITE	164.0	<0.01		0.9		0.9	0.9		
SPECKS A									
SECOND WHITE	75.3	0.15		11.3		11.3	0.8	10.5	
SPECKS B									
SECOND WHITE	229.0	0.15		34.4		34.4	0.3	34.1	
SPECKS C									
FIRST WHITE SPECKS A & VIKING A	9 885.0	<0.12		1 182.0		1 182.0	994.2	187.8	
VIKING F	157.0	0.10		15.7		15.7	10.7	5.0	
VIKING G	219.0	<0.13		27.1		27.1	2.1	25.0	
VIKING H	82.2	<0.06		4.8		4.8	4.8		
VIKING I	140.0	<0.02		1.7		1.7	1.7		
VIKING J	157.0	<0.02		2.0		2.0	2.0		
VIKING L	73.9	0.15		11.1		11.1	9.8	1.3	
VIKING M	41.0	0.04		1.6		1.6	0.8	0.8	
VIKING N	37.3	<0.01		0.3		0.3	0.3		
VIKING O	122.0	0.10		12.2		12.2	2.8	9.4	
VIKING P	89.1	<0.01		0.4		0.4	0.4		
VIKING R	50.0	0.20		10.0		10.0	6.6	3.4	
VIKING S	700.0	0.20		140.0		140.0	102.4	37.6	
VIKING T	382.0	0.10		38.2		38.2	25.6	12.6	
VIKING U	214.0	0.10		21.4		21.4	7.4	14.0	
VIKING W	72.2	<0.01		0.6		0.6	0.6		

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	3.80	0.230	0.33	0.88	45	870	46	8 247	1 084.9	1987	87 07
64	4.30	0.230	0.20	0.82	71	844	51	7 341	1 069.0	1988	90 03 - GPP
16	2.60	0.220	0.30	0.80	71	845	51	6 913	1 088.6	1989	91 01 - GPP
64	4.60	0.210	0.30	0.82	71	845	51		1 092.6	1989	90 09 - GPP
32	4.00	0.230	0.27	0.82	71	845	51	6 986	1 125.2	1989	92 02
64	1.70	0.180	0.35	0.85	48	854	38	7 389	1 167.9	1981	92 10
64	2.30	0.170	0.29	0.85	39	854	53	9 124	1 476.8	1988	89 01 - GPP
32	3.80	0.180	0.51	0.85	39	854	51	10 041	1 476.9	1988	91 03 - GPP
64	5.50	0.065	0.30	0.83	69	865	53	11 610	1 574.9	1975	86 12 - GPP
64	5.50	0.065	0.30	0.83	69	865	53	11 631	1 592.8	1973	85 03 - GPP
64	2.00	0.270	0.12	0.40	110	788	51	9 900	1 279.0	1985	85 07 - GPP
256	7.96	0.110	0.44	0.90	50	930	43	10 532	1 401.4	1983	92 12 - GPP
64	3.20	0.070	0.25	0.71	110	839	85	24 122	2 492.8	1985	86 01 - ABAND 90 02
329	3.42	0.170	0.39	0.76	95	840	48	12 336	1 435.7	1991	92 10
64	2.20	0.170	0.50	0.84	64	851	40	12 575	1 453.5	1991	92 03
16	12.80	0.151	0.20	0.76	142	797	73	26 030	2 255.5	1961	69 05 - ABAND 67 10
64	3.82	0.039	0.20	0.76	142	801	66	27 240	2 362.8	1965	91 12 - GPP
129	1.95	0.158	0.20	0.60	257	784	73	27 550	2 402.7	1973	74 05 - GPP
64	2.07	0.140	0.20	0.65	186	811	66	27 510	2 378.4	1974	91 12 - GPP
9 595					352	797	73	28 880	2 535.3	1974	91 11
283	2.35	0.100	0.15	0.53							
5 098	1.86	0.103	0.15	0.53							- GPP
4 214	2.25	0.103	0.15	0.53							- GPP
467	3.06	0.080	0.20	0.58	246	801	77	28 030	2 451.9	1976	90 12
64	3.05	0.110	0.15	0.55	312	801	69	22 090	2 429.4	1975	78 02 - GPP
65	1.83	0.120	0.20	0.58	246	801	74	21 930	2 412.2	1975	88 12 - GPP
64	2.10	0.110	0.15	0.75	140	836	70	22 271	2 521.8	1985	87 04
64	2.40	0.100	0.25	0.52	312	802	74	27 283	2 411.8	1989	89 06
64	5.00	0.100	0.30	0.73	120	820	65	20 380	2 621.5	1978	81 12 - ABAND 83 07
64	7.00	0.030	0.20	0.70	127	796	75	15 910	2 298.5	1988	89 03
64	8.00	0.100	0.30	0.64	177	791	84	19 575	2 407.5	1986	91 03
7 800	3.10	0.080	0.30	0.73	89	825	89	17 000	2 663.0	1957	91 08 - GPP
98	3.05	0.100	0.30	0.75	89	825	89	16 980	2 471.0	1968	83 06 - GPP
192	3.23	0.076	0.38	0.75	139	793	77	17 580	2 716.6	1977	82 04 - GPP
64	4.74	0.070	0.47	0.73	110	790	85	21 781	2 786.9	1979	80 06 - ABAND 83 01
64	7.02	0.074	0.37	0.67	200	788	60	17 323	2 714.5	1978	83 12 - ABAND 80 11
64	6.50	0.070	0.25	0.72	125	849	60	17 020	2 677.5	1980	83 09 - GPP
64	3.70	0.080	0.35	0.60	213	844	85	16 880	2 457.3	1955	82 11 - GPP
16	6.10	0.100	0.30	0.60	210	844	66	20 041	2 417.0	1962	92 12 - GPP
64	1.90	0.069	0.26	0.60	200	839	85	16 880	2 457.2	1985	88 12
64	7.50	0.065	0.35	0.60	195	803	89	19 247	2 574.7	1982	82 11 - GPP
64	3.00	0.090	0.23	0.67	181	808	78	17 640	2 583.0	1986	89 12
64	2.48	0.060	0.30	0.75	120	816	87	20 935	2 723.0	1987	89 12
942	2.54	0.060	0.35	0.75	120	816	87	27 453	2 787.3	1980	92 12
256	4.36	0.070	0.27	0.67	181	816	87	18 307	2 481.4	1980	84 01 - GPP
64	5.80	0.100	0.20	0.72	128	849	59	18 758	2 422.4	1981	82 03 - GPP
64	3.21	0.069	0.24	0.67	181	808	87	18 400	2 486.5	1985	89 12

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
CAROLINE 035-06W5 (CONTINUED)								
VIKING X	1 256.0	0.10		126.0		126.0	79.7	46.3
VIKING Y	96.5	<0.01		0.3		0.3	0.3	
VIKING AA	34.5	0.15		5.2		5.2	3.1	2.1
VIKING BB	108.0	0.05		5.4		5.4	0.3	5.1
VIKING CC	108.0	0.05		5.4		5.4		5.4
UPPER MANNVILLE A	187.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC K	63.9	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE W	211.0	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE MU #3	195.0	0.20		39.0		39.0	31.4	7.6
BASAL MANNVILLE A2A	161.0	0.05		8.1		8.1	1.6	6.5
BASAL MANNVILLE C2C, D2D, E2E & F2F	141.0	0.10		14.1		14.1	1.8	12.3
BASAL MANNVILLE G2G, H2H & I2I	118.0	0.10		11.8		11.8	3.6	8.2
BASAL MANNVILLE N3N	153.0	0.15		23.0		23.0	12.6	10.4
BASAL MANNVILLE O3O	207.0	0.15		31.1		31.1	18.9	12.2
RUNDLE A TOTAL	26 310.0			5 261.0	3 960.0	9 221.0	8 647.3	573.7
PRIMARY AREA	6 505.0	0.20		1 301.0		1 301.0		
WATER FLOOD AREA	19 800.0	0.20	0.20	3 960.0	3 960.0	7 920.0		
RUNDLE C	210.0	0.03		6.3		6.3	3.0	3.3
RUNDLE D	375.0	0.20		75.0		75.0	61.1	13.9
ELKTON M	827.0	<0.13		103.0		103.0	60.4	42.6
FIELD TOTAL	54 136.7			8 174.7	5 588.0	13 762.7	12 127.5	1 635.2
CARROT CREEK 052-13W5								
CARDIUM A TOTAL	868.0			104.0	105.0	209.0	129.5	79.5
PRIMARY AREA	63.9	0.12		7.7		7.7		
WATER FLOOD AREA	804.0	0.12	0.13	96.5	105.0	202.0		
CARDIUM B	121.0	0.17	0.03	20.6	3.6	24.2	20.3	3.9
WATER FLOOD								
CARDIUM C	636.0	0.10		63.6		63.6	33.4	30.2
CARDIUM D TOTAL	2 998.0			300.0	495.0	795.0	299.1	495.9
PRIMARY AREA	523.0	<0.10		52.0		52.0		
WATER FLOOD AREA	2 475.0	0.10	0.20	248.0	495.0	743.0		
CARDIUM E TOTAL	442.0			66.4	43.3	110.0	75.4	34.6
PRIMARY AREA	9.1	0.15		1.4		1.4		
WATER FLOOD AREA	433.0	0.15	0.10	65.0	43.3	108.0		
CARDIUM F	5 454.0	<0.16	0.20	820.0	1 090.0	1 910.0	1 013.0	897.0
WATER FLOOD								
CARDIUM H	151.0	0.10		15.1		15.1	2.0	13.1
CARDIUM I	176.0	0.10		17.6		17.6	15.3	2.3
CARDIUM K TOTAL	2 500.0			234.0	92.0	326.0	232.3	93.7
PRIMARY AREA	200.0	<0.03		4.2		4.2		
WATER FLOOD AREA	2 300.0	0.10	0.04	230.0	92.0	322.0		
CARDIUM S	435.0	<0.04		13.5		13.5	13.5	
CARDIUM V	162.0	<0.01		0.1		0.1	0.1	
CARDIUM AA	85.6	0.10		8.6		8.6	3.7	4.9
CARDIUM DD	113.0	0.10		11.3		11.3	7.2	4.1
CARDIUM EE	523.0	0.10		52.3		52.3	37.0	15.3
CARDIUM FF	186.0	0.10		18.6		18.6	2.9	15.7
CARDIUM GG	575.0	0.10		57.5		57.5	41.7	15.8
CARDIUM HH	138.0	0.10		13.8		13.8	9.5	4.3
CARDIUM JJ	598.0	0.15		89.7		89.7	16.0	73.7
CARDIUM MM	213.0	0.10		21.3		21.3	4.4	16.9
CARDIUM NN	286.0	0.10		28.6		28.6	1.9	26.7
CARDIUM OO	42.4	<0.03		1.0		1.0	1.0	
CARDIUM PP	294.0	0.15		44.1		44.1	16.4	27.7
CARDIUM QQ	104.0	0.10		10.4		10.4	5.2	5.2
LOWER MANNVILLE A	85.3	0.04		3.4		3.4	2.7	0.7
LOWER MANNVILLE B	221.0	<0.01		0.8		0.8	0.8	
LOWER MANNVILLE N	73.7	0.10		7.4		7.4	1.3	6.1
LOWER MANNVILLE T	174.0	<0.02		2.2		2.2	2.2	
LOWER MANNVILLE V	154.0	0.10		15.4		15.4	8.9	6.5
LOWER MANNVILLE W	234.0	0.10		23.4		23.4	1.7	21.7
LOWER MANNVILLE BB	117.0	0.05		5.9		5.9	0.2	5.7
LOWER MANNVILLE M, JURASSIC O.P.V & W	4 600.0	0.08		368.0		368.0	191.4	176.6
JURASSIC A	213.0	<0.01		0.2		0.2	0.2	
JURASSIC X, AA & CC	254.0	0.10		25.4		25.4	5.2	20.2

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
1 019	3.23	0.078	0.27	0.67	181	808	87	18 179	2 507.5	1984	89 01
64	3.00	0.100	0.25	0.67	181	808	87	18 400	2 480.5	1986	92 10
64	1.10	0.120	0.32	0.60	230	818	84	17 728	2 558.6	1988	90 02 - GPP
64	5.40	0.080	0.40	0.65	207	817	92	15 597	2 459.9	1958	90 12 - GPP
32	7.90	0.090	0.35	0.73	111	829	86	11 251	2 389.0	1956	92 11
64	4.00	0.130	0.12	0.64	181	863	81	27 724	2 718.9	1981	86 12
64	3.23	0.069	0.30	0.64	181	863	81	24 063	2 609.5	1984	89 12
64	5.00	0.110	0.22	0.77	78	811	110	25 900	2 839.5	1980	88 12
96	2.70	0.130	0.25	0.77	483	811	92	30 697	2 698.0	1957	88 12 - GPP
64	3.90	0.130	0.20	0.62	191	806	88	27 489	2 724.7	1982	87 12 - GPP
64	4.60	0.090	0.24	0.70	191	807	88	29 133	2 542.7	1986	87 01 - GPP
64	2.70	0.120	0.19	0.70	191	807	88	30 400	2 555.0	1986	87 01 - GPP
64	5.82	0.073	0.25	0.75	105	830	88	28 698	2 800.6	1981	84 12
64	4.90	0.100	0.12	0.75	125	832	92	28 850	2 916.6	1981	84 12 - GPP
7 375					130	844	91	25 370	2 720.3	1955	89 12 - GPP
2 949	6.08	0.070	0.29	0.73							
4 426	8.20	0.090	0.17	0.73							
124	6.36	0.050	0.24	0.70	195	863	93	27 806	2 806.2	1985	92 01 - GPP
163	4.75	0.080	0.17	0.73	127	865	90	22 255	2 735.3	1960	91 12
199	5.69	0.140	0.21	0.66	150	847	31	23 526	2 727.6	1985	92 08
403					53	834	57	10 310	1 661.2	1963	88 12 - GPP
32	3.22	0.100	0.27	0.85							
371	4.85	0.072	0.27	0.85							
130	2.21	0.065	0.20	0.81	62	829	61	10 480	1 661.2	1967	92 04 - GPP
259	3.96	0.080	0.10	0.86	57	849	70	9 980	1 614.2	1973	92 12 - GPP
960					65	844	52	10 450	1 596.4	1973	89 01
254	3.52	0.082	0.15	0.84							
706	5.99	0.082	0.15	0.84							
196					50	835	57	10 539	1 636.1	1980	91 07
63	0.56	0.036	0.13	0.83							
133	7.54	0.060	0.13	0.83							- GPP
1 870	4.54	0.090	0.14	0.83	65	854	56	10 247	1 613.6	1973	91 09
128	5.20	0.040	0.27	0.77	63	840	57	8 997	1 603.1	1979	88 11 - GPP
64	4.99	0.071	0.10	0.86	53	834	57	8 590	1 510.0	1967	84 12 - GPP
837					50	838	68	10 889	1 769.2	1982	92 12
128	3.03	0.072	0.15	0.84							- GPP
709	6.31	0.072	0.15	0.84							
192	3.74	0.080	0.11	0.85	65	836	56	12 335	1 520.4	1984	92 10
64	3.00	0.110	0.10	0.85	50	838	68	9 020	1 628.4	1984	84 12 - ABAND 88 11
128	1.69	0.066	0.25	0.80	48	842	68	9 051	1 564.2	1984	85 08 - GPP
20	11.40	0.083	0.30	0.85	50	852	68	10 515	1 586.6	1985	88 08 - GPP
100	9.32	0.070	0.10	0.89	51	845	56	9 099	1 597.9	1985	91 04 - GPP
64	2.70	0.170	0.21	0.80	104	826	63	9 063	1 565.5	1983	85 10 - GPP
537	2.30	0.072	0.24	0.85	54	837	57	10 486	1 564.2	1983	90 08
32	9.65	0.075	0.30	0.85	61	819	60	10 469	1 563.3	1985	91 12 - GPP
128	10.47	0.070	0.25	0.85	61	819	60	10 545	1 579.2	1986	87 02
64	5.70	0.081	0.15	0.85	75	849	56	11 732	1 401.5	1985	86 10
64	9.23	0.076	0.25	0.85	55	834	59	8 955	1 543.2	1987	88 01
64	1.00	0.120	0.35	0.85	61	819	60	9 815	1 578.2	1985	88 03 - ABAND 88 10
64	7.50	0.090	0.20	0.85	61	819	60	10 515	1 591.5	1987	88 12
27	5.53	0.090	0.10	0.86	46	793	57	10 458	1 694.8	1966	92 02
16	6.40	0.170	0.30	0.70	135	835	62	15 560	2 182.5	1978	92 12 - GPP
64	6.40	0.140	0.45	0.70	125	842	82	17 910	2 175.2	1979	85 09 - ABAND 90 05
64	2.30	0.130	0.45	0.70	130	884	86	17 794	2 180.9	1980	82 03 - GPP
64	5.00	0.120	0.38	0.73	110	846	59	15 978	2 129.3	1981	88 12
64	5.20	0.096	0.35	0.74	105	826	78	17 114	2 100.0	1986	87 03 - GPP
64	7.30	0.110	0.35	0.70	125	844	84	16 208	2 166.6	1987	87 12
64	2.20	0.140	0.20	0.74	116	827	78	16 409	1 987.2	1988	90 09 - GPP
1 054	8.61	0.110	0.36	0.72	53	834	57	16 999	2 127.4	1976	84 04
64	7.00	0.100	0.35	0.73	125	850	60	16 995	2 187.5	1979	83 12 - ABAND 80 02
64	7.50	0.130	0.45	0.74	115	864	60	16 853	2 192.8	1979	85 03 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
CARROT CREEK 052-13W5 (CONTINUED) FIELD TOTAL	23 227.0			2 464.2	1 828.9	4 293.4	2 195.4	2 098.0
CARSON CREEK 061-11W5 VIKING A	315.0	0.10		31.5		31.5	11.9	19.6
FIELD TOTAL	315.0			31.5		31.5	11.9	19.6
CARSON CREEK NORTH 062-12W5 BEAVERHILL LAKE A & B TOTAL	60 200.0			9 050.0	18 480.0	27 530.0	23 923.6	3 606.4
PRIMARY AREA	198.0	0.25		49.5		49.5		
WATER FLOOD AREA	60 000.0	0.15	0.30	9 000.0	18 480.0	27 480.0		
FIELD TOTAL	60 200.0			9 050.0	18 480.0	27 530.0	23 923.6	3 606.4
CARSTAIRS 030-02W5 CARDIUM A	240.0	0.03		7.2		7.2	3.6	3.6
CARDIUM B	23.3	<0.01		0.2		0.2	0.2	
BLACKSTONE A	129.0	0.05		6.5		6.5	0.2	6.3
VIKING B	200.0	0.10		20.0		20.0	18.1	1.9
VIKING C	131.0	0.10		13.1		13.1	5.9	7.2
VIKING D	58.1	0.05		2.9		2.9	0.2	2.7
FIELD TOTAL	781.4			49.9		49.9	28.2	21.7
CAVALIER 024-23W4 GLAUCONITIC A	900.0	0.15		135.0		135.0	56.4	78.6
FIELD TOTAL	900.0			135.0		135.0	56.4	78.6
CENTRON 023-26W4 LOWER MANNVILLE A	70.0	0.10		7.0		7.0	0.3	6.7
FIELD TOTAL	70.0			7.0		7.0	0.3	6.7
CESSFORD 025-13W4 VIKING Y	145.0	<0.01		0.1		0.1	0.1	
VIKING FF	82.2	0.10		8.2		8.2	0.2	8.0
MANNVILLE HH & 030	191.0	0.03		5.7		5.7	3.5	2.2
BANFF B	6 802.0	0.10		680.0		680.0	315.2	364.8
BANFF E	125.0	0.10		12.5		12.5	2.4	10.1
BANFF F	147.0	<0.01		0.1		0.1		0.1
BANFF H	25.3	<0.01		0.1		0.1	0.1	
BANFF I	101.0	0.10		10.1		10.1	0.1	10.0
BANFF J	276.0	0.05		13.8		13.8	0.1	13.7
FIELD TOTAL *	7 894.5			730.6		730.6	321.7	408.9
CHAIN 033-17W4 VIKING A	49.5	<0.01		0.1		0.1	0.1	
VIKING D	516.0	0.12		61.9		61.9	54.2	7.7
VIKING E	61.9	<0.01		0.1		0.1	0.1	
VIKING F	138.0	0.10		13.8		13.8	4.6	9.2
BANFF A	3 100.0	0.15		465.0		465.0	190.4	274.6
BANFF B	108.0	0.10		10.8		10.8	4.8	6.0
BANFF D	97.8	0.20		19.6		19.6	10.1	9.5
BANFF E	27.6	<0.01		0.2		0.2	0.2	
BANFF F	181.0	0.15		27.2		27.2	1.9	25.3
BANFF G	124.0	0.15		18.6		18.6	10.3	8.3
FIELD TOTAL	4 403.8			617.3		617.3	276.7	340.6
CHAMBERLAIN 052-23W4 BLAIRMORE	511.0	0.08		40.9		40.9	33.5	7.4
FIELD TOTAL	511.0			40.9		40.9	33.5	7.4
CHEDDERVILLE 037-07W5 CARDIUM A	75.2	<0.01		0.5		0.5	0.5	
VIKING A	598.0	0.15		89.7		89.7	24.4	65.3

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
128	2.70	0.166	0.37	0.87	50	836	56	8 329	1 378.8	1988	88 09 - GPP
7 228					274	806	88	25 880	2 662.7	1958	91 12
128	3.84	0.080	0.16	0.60							
7 100	21.93	0.080	0.14	0.56							- GPP
64	6.00	0.130	0.35	0.74	119	836	66	22 297	1 981.0	1983	86 12 - GPP
64	1.00	0.070	0.35	0.80	82	854	59	16 512	1 956.5	1983	84 10 - ABAND 90 10
64	4.50	0.080	0.30	0.80	85	844	61	20 904	2 037.0	1983	92 06
128	2.72	0.110	0.37	0.83	68	835	71	13 708	2 206.8	1958	89 07 - GPP
64	3.00	0.150	0.45	0.83	68	835	71	12 017	2 175.0	1980	84 04 - GPP
64	2.10	0.120	0.60	0.90	30	863	62		2 264.4	1964	92 12 - GPP
128	5.96	0.180	0.21	0.83	70	871	49	11 806	1 592.4	1978	92 11 - GPP
64	1.50	0.120	0.24	0.80	180	805	52	16 203	1 908.0	1989	90 04
64	2.80	0.150	0.40	0.90	40	850	30	7 260	860.9	1985	86 06
64	1.00	0.220	0.41	0.99	50	833	31		826.5	1990	90 05 - GPP
64	5.00	0.140	0.48	0.82	70	863	47	9 062	1 274.8	1972	85 12 - GPP
2 501	3.92	0.145	0.45	0.87	46	877	40	9 988	1 282.1	1972	82 07 - GPP
64	2.20	0.160	0.37	0.88	55	857	50	8 159	1 232.8	1985	86 05 - GPP
64	8.50	0.050	0.38	0.87	50	859	40	8 923	1 317.5	1987	88 07 - ABAND 87 07
16	4.50	0.080	0.50	0.88	51	878	43	10 500	1 047.3	1991	92 11 - ABAND 91 11
32	4.50	0.160	0.50	0.88	51	878	43	10 500	1 027.3	1991	92 04
64	7.00	0.140	0.50	0.88	51	878	43	8 369	1 045.0	1991	92 04 - GPP
64	1.00	0.150	0.40	0.86	50	838	42	6 594	1 067.3	1974	85 10 - ABAND 86 05
632	0.90	0.170	0.38	0.86	62	834	34	8 210	1 125.6	1976	86 10 - GPP
64	2.50	0.090	0.50	0.86	53	838	39	8 123	1 142.3	1983	89 12
64	1.60	0.230	0.32	0.86	55	832	36	8 205	1 159.8	1985	86 03
768	9.60	0.070	0.23	0.78	112	865	40	13 928	1 259.5	1984	87 02
64	2.50	0.140	0.40	0.80	50	860	38	9 393	1 236.8	1985	86 03 - GPP
64	4.00	0.070	0.30	0.78	112	856	43	8 350	1 297.3	1985	87 12 - GPP
64	2.50	0.050	0.54	0.75	113	860	40	8 917	1 240.8	1985	89 12 - ABAND 90 09
64	10.30	0.050	0.27	0.75	113	868	40	9 195	1 249.1	1977	86 11 - GPP
64	7.20	0.060	0.40	0.75	88	860	40	9 468	1 309.0	1987	88 12 - GPP
45	7.53	0.252	0.32	0.88	41	892	46	8 210	1 126.5	1951	90 12 - GPP
64	1.70	0.120	0.20	0.72	115	815	70	22 390	2 253.2	1985	86 03 - ABAND 91 04
804	2.46	0.060	0.31	0.73	115	815	63	17 278	2 594.3	1987	92 11

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
CHEDDERVILLE 037-07W5 (CONTINUED)								
VIKING B	86.0	0.10		8.6		8.6	6.1	2.5
VIKING C	73.9	0.15		11.0		11.0	7.2	3.8
FIELD TOTAL	833.1			109.8		109.8	38.2	71.6
CHERRHILL 056-05W5								
VIKING C	101.0	0.17		17.2		17.2	15.2	2.0
VIKING D	124.0	<0.01		1.1		1.1	1.1	
DETRITAL A	58.1	0.10		5.8		5.8	2.8	3.0
BANFF A TOTAL	9 790.0			1 411.0	968.0	2 379.0	1 785.8	593.2
PRIMARY AREA	990.0	0.10		99.0		99.0		
WATER FLOOD AREA	8 800.0	<0.15	0.11	1 312.0	968.0	2 280.0		
BANFF H	8 006.0	0.04		320.0		320.0	155.0	165.0
BANFF J	109.0	<0.05		5.2		5.2	5.2	
BANFF M	1 080.0	0.25		270.0		270.0	168.0	102.0
BANFF P	327.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	19 595.1			2 030.4	968.0	2 998.4	2 133.2	865.2
CHICKADEE 061-16W5								
GETHING D	88.1	<0.01		0.2		0.2	0.2	
FIELD TOTAL	88.1			0.2		0.2	0.2	
CHICKEN 061-07W6								
CHINOOK A	78.4	0.06		4.7		4.7	3.7	1.0
CHINOOK B	172.0	0.10		17.2		17.2	0.3	16.9
CARDIUM A	127.0	0.10		12.7		12.7		12.7
FIELD TOTAL	377.4			34.6		34.6	4.0	30.6
CHIGWELL 041-24W4								
VIKING B TOTAL	2 702.0			324.0	31.8	356.0	289.2	66.8
PRIMARY AREA	1 642.0	0.12		197.0		197.0		
WATER FLOOD AREA	1 060.0	0.12	0.03	127.0	31.8	159.0		
VIKING D	89.5	<0.05		4.2		4.2	4.2	
VIKING E	8 152.0	0.05		408.0		408.0	300.7	107.3
VIKING F	226.0	<0.01		0.3		0.3	0.3	
MANNVILLE G	134.0	<0.01		0.2		0.2	0.2	
MANNVILLE H	289.0	0.10		28.9		28.9	15.7	13.2
MANNVILLE I	169.0	0.02		3.4		3.4	3.2	0.2
MANNVILLE K	45.9	0.05		2.3		2.3	1.3	1.0
MANNVILLE E & UPPER MANNVILLE A	8 287.0	0.07		580.0		580.0	367.8	212.2
UPPER MANNVILLE B	277.0	0.03		8.3		8.3	4.6	3.7
UPPER MANNVILLE C	261.0	<0.01		0.2		0.2	0.2	
D-2 A	473.0	0.20		94.6		94.6	72.5	22.1
D-2 B	116.0	0.10		11.6		11.6	9.7	1.9
D-2 C	499.0	0.14		69.9		69.9	60.4	9.5
D-2 D	98.8	<0.03		2.0		2.0	2.0	
D-3 A	108.0	<0.05		4.8		4.8	4.8	
D-3 B	538.0	0.35		188.0		188.0	167.1	20.9
D-3 C	254.0	<0.01		0.4		0.4	0.4	
D-3 E	228.0	0.45		103.0		103.0	65.1	37.9
D-3 F	74.2	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	23 021.4			1 834.2	31.8	1 866.2	1 369.5	496.7
CHIGWELL NORTH 042-24W4								
D-3 A	110.0	<0.01		0.5		0.5	0.5	
D-3 B	130.0	0.30		39.0		39.0	6.8	32.2
D-3 C	377.0	0.35		132.0		132.0	14.1	117.9
D-3 D	47.5	0.10		4.8		4.8	0.4	4.4
FIELD TOTAL	664.5			176.3		176.3	21.8	154.5
CHIP LAKE 053-10W5								
ROCK CREEK A	222.0	0.10		22.2		22.2	11.3	10.9
ROCK CREEK B	830.0	0.10		83.0		83.0	16.8	66.2

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	2.60	0.100	0.37	0.82	68	778	64	17 978	2 642.9	1987	88 08 - GPP
64	2.48	0.080	0.29	0.82	207	809	92	16 690	2 528.4	1988	89 06
64	1.24	0.190	0.20	0.84	62	844	56	8 140	1 140.6	1973	91 12 - GPP
64	1.86	0.160	0.25	0.87	55	849	38	7 515	1 157.3	1977	83 12 - ABAND 89 03
64	1.00	0.170	0.40	0.89	74	867	45	11 140	1 304.8	1983	86 10 - GPP
1 066					64	871	48	11 310	1 322.6	1966	92 07
165	7.52	0.150	0.30	0.76							
901	12.24	0.150	0.30	0.76							- GPP
1 279	5.71	0.200	0.37	0.87	68	825	41	11 019	1 370.6	1973	89 02
32	4.57	0.140	0.30	0.76	73	865	47	10 035	1 345.9	1968	82 09
256	7.29	0.110	0.35	0.81	82	863	41	11 296	1 326.2	1976	92 02
64	3.70	0.240	0.33	0.86	48	892	64	10 904	1 351.2	1984	88 12
64	2.73	0.120	0.40	0.70	156	824	82	13 613	1 830.4	1980	88 12 - GPP
32	5.95	0.120	0.51	0.70	120	804	54	11 424	1 938.4	1987	92 06
64	4.22	0.157	0.42	0.70	133	809	44	11 415	1 951.6	1988	88 09
64	4.40	0.110	0.36	0.64	189	801	53		2 046.5	1982	92 06
1 581					50	844	46	7 830	1 425.9	1959	90 12
1 000	2.34	0.130	0.40	0.90							
581	2.60	0.130	0.40	0.90							
64	3.20	0.120	0.60	0.91	34	830	58	7 975	1 464.6	1982	89 12 - ABAND 88 09
3 376	3.24	0.130	0.37	0.91	34	858	58	8 000	1 403.3	1980	89 03
64	5.70	0.120	0.40	0.86	48	817	57	8 030	1 420.9	1983	85 08
65	1.83	0.150	0.15	0.89	39	910	51	12 410	1 648.7	1977	77 06 - ABAND 78 05
64	4.00	0.170	0.20	0.83	59	915	63	12 392	1 595.1	1978	78 10 - GPP
64	2.20	0.170	0.15	0.83	58	850	63	14 135	1 627.3	1978	82 12 - GPP
64	1.20	0.180	0.60	0.83	59	874	63	11 442	1 572.8	1985	86 06 - GPP
5 376	1.51	0.150	0.18	0.83	33	921	48	13 450	1 581.6	1964	83 02 - GPP
65	3.35	0.180	0.15	0.83	59	915	63	13 410	1 602.3	1977	80 12 - GPP
64	4.00	0.150	0.20	0.85	80	900	60	7 660	1 443.0	1979	80 06 - ABAND 81 01
117	10.63	0.065	0.22	0.75	106	829	70	15 860	1 848.0	1955	84 01 - GPP
65	2.59	0.140	0.42	0.85	106	829	71	16 890	1 882.4	1959	73 02 - GPP
404	4.57	0.045	0.25	0.80	83	829	72	16 930	1 871.8	1968	91 12 - GPP
65	3.96	0.060	0.20	0.80	83	829	57	14 070	1 872.7	1974	75 08 - ABAND 77 07
128	3.02	0.050	0.19	0.69	147	820	60	17 380	1 943.7	1964	83 09 - ABAND 83 09
90	12.16	0.080	0.18	0.75	105	855	63	16 840	1 938.5	1968	89 12 - GPP
64	5.50	0.110	0.10	0.73	110	844	65	19 125	2 131.3	1981	82 03 - ABAND 81 12
83	7.30	0.062	0.17	0.73	129	834	71	14 270	1 907.8	1983	89 12
64	2.30	0.070	0.10	0.80	81	874	56	15 923	1 850.2	1986	87 04 - ABAND 87 08
64	4.50	0.070	0.25	0.73	120	844	59	13 653	1 843.3	1980	82 03 - ABAND 84 07
32	7.30	0.090	0.15	0.73	119	832	72	12 729	1 848.7	1991	92 03
64	8.00	0.120	0.16	0.73	119	833	72	12 646	1 836.8	1991	91 10
16	5.20	0.080	0.14	0.83	120	840	59	13 126	1 849.0	1990	92 11
32	10.50	0.125	0.34	0.80	85	838	58	18 475	1 810.0	1981	92 08 - GPP
290	3.50	0.140	0.27	0.80	93	841	60	17 240	1 856.6	1978	90 02

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
CHIP LAKE 053-10W5 (CONTINUED) FIELD TOTAL	1 052.0			105.2		105.2	28.1	77.1
CINDY 077-01W6 DEBOLT A	443.0	0.10		44.3		44.3	6.2	38.1
D-1 A	75.0	0.10		7.5		7.5	4.8	2.7
D-1 B	213.0	0.05		10.7		10.7	8.7	2.0
FIELD TOTAL	731.0			62.5		62.5	19.7	42.8
CLARESHOLM 013-26W4 BARONS A	300.0	0.20		60.0		60.0	52.0	8.0
BARONS B	15.5	<0.02		0.3		0.3	0.3	
GLAUCONITIC C	58.7	0.10		5.9		5.9	3.0	2.9
RUNDLE A	1 916.0	0.04		76.6		76.6	50.9	25.7
RUNDLE B	1 338.0	0.03		40.1		40.1	35.9	4.2
RUNDLE C	56.4	<0.08		4.2		4.2	4.2	
RUNDLE F	186.0	<0.03		3.8		3.8	3.8	
FIELD TOTAL	3 870.6			190.9		190.9	150.1	40.8
CLEAR HILLS 087-11W6 HALFWAY A	219.0	0.20		43.8		43.8	8.0	35.8
FIELD TOTAL	219.0			43.8		43.8	8.0	35.8
CLEAR PRAIRIE 091-12W6 GETHING A	304.0	<0.01		0.2		0.2	0.2	
TRIASSIC A	186.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	490.0			0.5		0.5	0.5	
CLIVE 040-24W4 GLAUCONITIC A	195.0	<0.01		0.1		0.1	0.1	
GLAUCONITIC B	64.0	<0.01		0.1		0.1	0.1	
GLAUCONITIC C	350.0	0.10		35.0		35.0	18.4	16.6
D-2 A TOTAL	7 144.0			2 446.0	1 255.0	3 701.0	2 971.5	729.5
PRIMARY AREA	170.0	0.03		5.1		5.1		
WATER FLOOD AREA	6 974.0	0.35	0.18	2 441.0	1 255.0	3 696.0		
D-2 B TOTAL	683.0			126.0	55.0	181.0	177.1	3.9
PRIMARY AREA	183.0	<0.01		1.0		1.0		
WATER FLOOD AREA	500.0	0.25	0.11	125.0	55.0	180.0		
D-2 C	35.0	<0.07		2.2		2.2	2.2	
D-3 A TOTAL	12 310.0			4 925.0	3 000.0	7 925.0	6 142.6	1 782.4
PRIMARY AREA	313.0	0.40		125.0		125.0		
WATER FLOOD AREA	12 000.0	0.40	0.25	4 800.0	3 000.0	7 800.0		
FIELD TOTAL	20 781.0			7 534.4	4 310.0	11 844.4	9 312.0	2 532.4
CLOVER 061-17W5 GETHING A	60.5	<0.01		0.1		0.1	0.1	
FIELD TOTAL	60.5			0.1		0.1	0.1	
CORNWALL 070-26W5 GILWOOD A	102.0	0.10		10.2		10.2	2.5	7.7
FIELD TOTAL	102.0			10.2		10.2	2.5	7.7
COUTTS 001-16W4 MOULTON A TOTAL	2 168.0			433.0	303.0	736.0	622.8	113.2
PRIMARY AREA	906.0	0.20		181.0		181.0		
WATER FLOOD AREA	1 262.0	0.20	0.24	252.0	303.0	555.0		
MOULTON B	89.2	<0.01		0.7		0.7	0.7	
CUTBANK A	30.2	0.10		3.0		3.0	1.0	2.0
CUTBANK C	50.4	0.10		5.0		5.0	2.6	2.4
FIELD TOTAL	2 337.8			441.7	303.0	744.7	627.1	117.6
COYOTE 029-15W4 GLAUCONITIC G	94.1	<0.01		0.1		0.1	0.1	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
110	3.58	0.210	0.20	0.67	163	832	64	15 824	1 534.4	1987	90 03
10	21.80	0.050	0.14	0.80	72	842	70	22 049	2 118.9	1984	90 12 - GPP
16	59.50	0.040	0.30	0.80	68	838	69	22 632	2 136.8	1985	92 08
114	3.80	0.130	0.22	0.68	150	810	51	13 657	2 109.7	1980	84 04 - GPP
64	0.70	0.050	0.10	0.77	110	813	70	13 784	2 083.6	1987	92 10
64	1.30	0.120	0.30	0.84	65	857	50	8 486	1 780.7	1980	82 12 - GPP
129	28.96	0.086	0.16	0.71	131	844	55	19 700	2 065.9	1971	78 12 - GPP
194	14.11	0.081	0.15	0.71	131	844	54	19 650	2 065.6	1972	78 12 - GPP
65	3.05	0.060	0.35	0.73	128	849	60	20 540	2 068.1	1967	73 01 - GPP
64	13.00	0.035	0.15	0.75	135	863	67	24 479	2 180.0	1980	81 10 - ABAND 82 05
64	4.30	0.160	0.31	0.72	118	823	64	9 795	1 238.2	1991	91 10
64	3.70	0.230	0.38	0.90	35	882	36	7 693	1 090.6	1975	92 10
64	3.00	0.200	0.45	0.88	43	894	49	8 140	1 052.3	1979	89 06 - ABAND 91 02
64	4.00	0.130	0.35	0.90	35	881	62	11 451	1 585.1	1978	79 01 - ABAND 79 09
64	1.40	0.120	0.30	0.85	58	881	62	11 370	1 578.7	1978	83 12
128	2.64	0.160	0.28	0.90	35	881	45	10 189	1 516.9	1982	92 11
3 505					148	820	69	17 000	1 868.4	1951	91 11
173	2.96	0.060	0.20	0.69							- GPP
3 332	6.32	0.060	0.20	0.69							- GPP
322					148	820	68	16 410	1 841.4	1966	91 12 - GPP
64	5.89	0.080	0.12	0.69							
258	6.12	0.052	0.12	0.69							
65	1.22	0.080	0.20	0.69	142	820	67	17 070	1 886.4	1964	70 05 - ABAND 67 01
4 250					155	825	66	17 510	1 898.0	1952	91 11
188	5.02	0.060	0.20	0.69							- GPP
4 062	8.92	0.060	0.20	0.69							
64	1.50	0.150	0.40	0.70	156	824	82	15 461	2 018.0	1980	83 12 - GPP
32	4.80	0.100	0.20	0.83	100	844	95	26 632	3 196.4	1983	91 12 - GPP
288					55	825	29	6 520	783.3	1966	92 10
96	8.71	0.210	0.40	0.86							- GPP
192	6.07	0.210	0.40	0.86							- GPP
64	2.16	0.150	0.50	0.86	64	825	29	6 370	766.0	1969	83 12 - ABAND 86 04
64	0.60	0.140	0.34	0.85	55	820	27	7 023	784.5	1988	88 07
16	2.50	0.190	0.22	0.85	55	820	27	6 867	779.2	1988	89 01 - GPP
64	1.50	0.220	0.45	0.81	64	876	43	9 300	1 296.8	1982	84 02 - ABAND 90 10

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
COYOTE 029-15W4 (CONTINUED)								
BANFF A	70.3	<0.01		0.3		0.3	0.3	
BANFF B	157.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	321.4			0.5		0.5	0.5	
CRAIGMYLE 032-16W4								
OSTRACOD B	150.0	0.03		4.5		4.5	1.2	3.3
ELLERSLIE E	187.0	0.10		18.7		18.7	1.0	17.7
DETRITAL B	177.0	<0.01		0.2		0.2	0.2	
DETRITAL D	152.0	<0.01		0.1		0.1	0.1	
BANFF A	217.0	0.10		21.7		21.7	9.2	12.5
BANFF B	156.0	0.10		15.6		15.6	7.6	8.0
BANFF E	88.0	<0.01		0.1		0.1	0.1	
BANFF F	507.0	0.15		76.1		76.1	23.0	53.1
BANFF G	79.4	<0.01		0.1		0.1	0.1	
BANFF H	89.8	<0.01		0.1		0.1	0.1	
BANFF I	465.0	0.10		46.5		46.5	41.0	5.5
BANFF K	484.0	0.12		58.1		58.1	23.8	34.3
BANFF L	113.0	<0.01		0.7		0.7	0.7	
BANFF M	31.7	<0.01		0.1		0.1	0.1	
BANFF N	79.2	0.10		7.9		7.9	0.2	7.7
BANFF O	360.0	<0.01		0.2		0.2	0.2	
BANFF Q	85.4	<0.01		0.6		0.6	0.6	
BANFF R	234.0	0.10		23.4		23.4	1.2	22.2
FIELD TOTAL	3 655.5			274.7		274.7	110.4	164.3
CRANBERRY 096-04W6								
GILWOOD A	96.1	0.20		19.2		19.2	11.3	7.9
FIELD TOTAL	96.1			19.2		19.2	11.3	7.9
CROSSFIELD 026-01W5								
CARDIUM A TOTAL	25 700.0			1 542.0	1 743.0	3 285.0	3 060.1	224.9
PRIMARY AREA	795.0	0.06		47.7		47.7		
WATER FLOOD AREA	24 900.0	0.06	0.07	1 494.0	1 743.0	3 237.0		
CARDIUM B	391.0	0.10		39.1		39.1	23.2	15.9
CARDIUM C	53.7	0.10		5.4		5.4	2.4	3.0
JUMPING POUND A	119.0	0.14		16.7		16.7	13.0	3.7
SECOND WHITE	278.0	0.15		41.7		41.7	39.7	2.0
SPECKS A								
SECOND WHITE	253.0	0.15		38.0		38.0	34.2	3.8
SPECKS B								
VIKING A	311.0	0.15		46.7		46.7	26.5	20.2
VIKING B	388.0	0.15		58.2		58.2	49.0	9.2
VIKING C	38.8	0.15		5.8		5.8	4.9	0.9
VIKING E	140.0	0.10		14.0		14.0	2.3	11.7
VIKING F	93.3	0.10		9.3		9.3	0.1	9.2
RUNDLE C	1 000.0	0.20		200.0		200.0	114.4	85.6
RUNDLE E	406.0	0.25		102.0		102.0	90.1	11.9
RUNDLE G	1 230.0	0.25		308.0		308.0	241.5	66.5
RUNDLE J	455.0	0.15		68.3		68.3	9.6	58.7
RUNDLE M	488.0	0.10		48.8		48.8	31.2	17.6
FIELD TOTAL	31 344.8			2 544.0	1 743.0	4 287.0	3 742.2	544.8
CROSSFIELD EAST 029-01W5								
CARDIUM B	144.0	0.07		10.1		10.1	6.0	4.1
CARDIUM C	2 430.0	0.14		340.0		340.0	297.6	42.4
CARDIUM D	1 148.0	0.06		68.9		68.9	51.6	17.3
CARDIUM F	57.9	0.15		8.7		8.7	5.1	3.6
VIKING A	179.0	<0.02		2.2		2.2	2.2	
ELLERSLIE A	212.0	0.05		10.6		10.6	8.9	1.7
ELKTON A	1 060.0	0.17		180.0		180.0	175.5	4.5
ELKTON B	188.0	<0.01		0.1		0.1	0.1	0.1
ELKTON D	2 702.0	0.14		378.0		378.0	353.7	24.3
ELKTON F	634.0	0.15		95.1		95.1	74.2	20.9
FIELD TOTAL	8 754.9			1 093.7		1 093.7	974.8	118.9

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	3.00	0.080	0.48	0.88	33	859	47	8 829	1 295.0	1985	85 09 - ABAND 87 01
16	26.80	0.070	0.33	0.78	60	876	45	8 925	1 303.6	1986	92 11
32	4.50	0.270	0.50	0.77	40	871	51	9 528	1 254.6	1979	92 08 - GPP
64	3.40	0.180	0.38	0.77	58	880	42	9 360	1 273.7	1986	86 08 - GPP
64	2.00	0.210	0.25	0.88	45	860	39	8 298	1 238.0	1986	87 07 - ABAND 89 03
32	4.30	0.180	0.28	0.85	61	834	42	7 376	1 242.3	1986	90 12 - GPP
64	9.50	0.070	0.40	0.85	65	869	43	9 641	1 251.8	1984	84 10 - GPP
64	9.00	0.058	0.45	0.85	60	859	39	9 008	1 296.0	1986	86 10 - GPP
32	15.00	0.037	0.34	0.75	88	860	40	9 561	1 245.7	1986	91 10 - ABAND 89 02
64	23.60	0.070	0.36	0.75	88	860	40	8 618	1 255.3	1986	88 01 - GPP
64	4.80	0.040	0.24	0.85	61	860	42	9 435	1 237.7	1986	87 04 - ABAND 87 05
32	11.00	0.040	0.25	0.85	61	860	37	9 033	1 262.5	1986	91 10 - ABAND 89 08
100	13.70	0.054	0.26	0.85	60	869	36	9 489	1 268.0	1986	92 09 - GPP
64	23.98	0.053	0.30	0.85	45	898	41	11 011	1 296.3	1985	89 10 - GPP
64	8.10	0.040	0.36	0.85	64	880	40	9 665	1 275.1	1986	86 08 - ABAND 89 02
64	4.00	0.030	0.45	0.75	88	878	40	10 952	1 289.5	1985	89 12 - ABAND 89 02
64	2.60	0.080	0.30	0.85	60	870	41	9 617	1 256.3	1986	87 11
64	14.50	0.060	0.24	0.85	60	870	41	9 592	1 236.2	1986	87 11 - ABAND 87 12
64	5.70	0.050	0.40	0.78	58	880	40	8 799	1 288.8	1986	89 12 - ABAND 90 04
64	15.50	0.050	0.37	0.75	88	860	40	8 396	1 263.0	1985	92 05
64	3.00	0.110	0.35	0.70	68	825	62	22 888	2 461.5	1980	82 02 - GPP
12 910					82	834	66	25 300	2 033.9	1956	91 12 - GPP
259	4.30	0.098	0.10	0.81							
12 651	2.50	0.108	0.10	0.81							
192	2.71	0.110	0.10	0.76	53	834	54	8 293	1 719.4	1961	84 12 - GPP
64	1.30	0.100	0.15	0.76	105	851	54	8 230	1 634.7	1982	84 03 - GPP
110	1.22	0.160	0.30	0.79	82	834	66	28 270	2 082.7	1961	82 12 - GPP
285	6.64	0.030	0.30	0.70	89	815	49	28 270	2 235.4	1974	87 12 - GPP
64	3.00	0.220	0.20	0.75	85	827	70	27 598	2 171.5	1980	87 12
262	1.90	0.110	0.29	0.80	44	839	64	22 385	2 176.0	1964	86 09 - GPP
701	1.11	0.120	0.48	0.80	84	838	80	14 428	2 238.7	1982	89 12 - GPP
64	1.60	0.080	0.40	0.79	84	838	80	16 046	2 290.2	1982	87 12 - GPP
64	5.97	0.077	0.44	0.85	48	811	72	15 905	2 270.0	1983	85 03 - GPP
64	3.00	0.090	0.40	0.90	28	839	64	4 858	2 140.8	1991	92 09
128	12.98	0.110	0.28	0.76	133	865	81	20 197	2 607.1	1963	86 10
64	6.70	0.150	0.17	0.76	121	860	71	19 510	2 114.4	1967	90 06
202	12.19	0.102	0.30	0.70	131	860	81	22 340	2 601.8	1973	76 06
64	15.27	0.084	0.27	0.76	103	871	81	20 761	2 614.5	1988	89 02 - GPP
64	12.50	0.110	0.27	0.76	121	860	71	20 197	2 100.8	1970	90 06 - GPP
128	1.60	0.110	0.15	0.75	46	815	60	20 590	1 720.6	1965	83 10 - GPP
3 098	1.14	0.100	0.14	0.80	69	849	59	20 943	1 765.9	1954	89 12 - GPP
473	3.31	0.115	0.15	0.75	53	815	63	20 586	1 657.8	1966	88 07 - GPP
64	1.00	0.130	0.13	0.80	85	850	50	14 150	1 637.5	1984	85 06 - GPP
64	4.60	0.130	0.33	0.70	44	840	56	20 048	2 116.3	1981	92 07 - ABAND 91 12
64	5.30	0.100	0.30	0.89	35	874	66	15 250	2 103.8	1977	79 01 - GPP
486	6.74	0.060	0.17	0.65	195	855	70	20 890	2 291.5	1961	81 12 - GPP
65	11.86	0.047	0.20	0.65	191	855	71	20 690	2 241.2	1965	68 05 - ABAND 67 09
462	11.00	0.092	0.15	0.68	191	855	79	21 100	2 325.1	1960	87 12 - GPP
128	11.40	0.090	0.29	0.68	154	853	79	20 813	2 328.8	1975	87 12

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 10 ³ m ³	2 3 RECOVERY		4 5 6 INITIAL ESTABLISHED RESERVES			7 CUMULATIVE PRODUCTION 10 ³ m ³	8 REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
		frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³		
CRYSTAL 046-03W5								
BELLY RIVER A	194.0	0.05		9.7		9.7	4.0	5.7
VIKING A TOTAL	16 380.0			2 010.0	3 523.0	5 533.0	2 650.6	2 882.4
PRIMARY AREA	2 290.0	0.06		137.0		137.0		
WATER FLOOD AREA	14 090.0	<0.14	0.25	1 873.0	3 523.0	5 396.0		
VIKING H	2 000.0	0.06		120.0		120.0	115.7	4.3
VIKING I	242.0	0.05		12.1		12.1	0.4	11.7
FIELD TOTAL	18 816.0			2 151.8	3 523.0	5 674.8	2 770.7	2 904.1
CULP 079-24W5								
WABAMUN A	280.0	0.10		28.0		28.0	20.1	7.9
WABAMUN B	274.0	0.15		41.1		41.1	22.5	18.6
WABAMUN C	283.0	0.10		28.3		28.3	11.5	16.8
WABAMUN D	158.0	0.25		39.5		39.5	21.3	18.2
WABAMUN E	289.0	0.15		43.4		43.4	7.4	36.0
WABAMUN F	330.0	<0.03		7.3		7.3	7.3	
WABAMUN G	64.7	0.20		12.9		12.9	0.6	12.3
WABAMUN H	397.0	0.20		79.4		79.4	6.2	73.2
WABAMUN I	431.0	0.15		64.6		64.6	12.1	52.5
GRANITE WASH A	86.6	0.25		21.7		21.7	12.6	9.1
FIELD TOTAL	2 593.3			366.2		366.2	121.6	244.6
CYGNET 038-01W5								
BELLY RIVER A	283.0	0.05		14.2		14.2	0.5	13.7
VIKING A	385.0	0.10		38.5		38.5	30.5	8.0
VIKING C	176.0	0.15		26.4		26.4	14.0	12.4
VIKING F	140.0	<0.01		0.1		0.1	0.1	
VIKING G	613.0	0.06		36.8		36.8	35.5	1.3
VIKING H	142.0	0.15		21.3		21.3	15.4	5.9
VIKING J	139.0	<0.02		1.6		1.6	1.6	
VIKING K	50.4	0.20		10.1		10.1	7.3	2.8
VIKING M	24.6	0.05		1.2		1.2	0.5	0.7
VIKING N	184.0	<0.05		7.4		7.4	7.4	
VIKING O	150.0	0.20		30.0		30.0	25.5	4.5
VIKING P	49.1	0.15		7.4		7.4	1.9	5.5
VIKING Q	85.6	0.15		12.8		12.8	7.4	5.4
VIKING R	106.0	0.15		15.9		15.9	1.5	14.4
GLAUCONITIC A	36.3	<0.01		0.2		0.2	0.2	
GLAUCONITIC B	207.0	0.15		31.1		31.1	8.8	22.3
GLAUCONITIC C	154.0	<0.02		2.1		2.1	2.1	
GLAUCONITIC E	107.0	0.15		16.1		16.1	5.5	10.6
ELLERSLIE A	86.4	<0.06		5.0		5.0	5.0	
ELLERSLIE B	30.4	<0.01		0.1		0.1	0.1	
ELLERSLIE C	76.4	0.15		11.5		11.5	3.4	8.1
ELLERSLIE D	117.0	<0.01		0.5		0.5	0.5	
ELLERSLIE E	60.5	<0.01		0.2		0.2	0.2	
ELLERSLIE J	62.3	0.10		6.2		6.2	1.7	4.5
ELLERSLIE K	134.0	0.10		13.4		13.4	2.5	10.9
ELLERSLIE M	58.2	0.10		5.8		5.8	1.7	4.1
ELLERSLIE R	91.2	<0.01		0.6		0.6	0.6	
ELLERSLIE V	28.6	0.05		1.4		1.4	0.4	1.0
PEKISKO A	563.0	0.05		28.2		28.2	13.7	14.5
FIELD TOTAL	4 340.0			346.1		346.1	195.5	150.6
CYN-PEM 051-11W5								
BELLY RIVER A	269.0	<0.02		4.5		4.5	4.5	
BELLY RIVER B	184.0	<0.01		1.8		1.8	1.8	
BELLY RIVER C	1 000.0	0.15	0.10	150.0	100.0	250.0	67.7	182.3
WATER FLOOD								
CARDIUM A TOTAL	6 480.0			772.0	1 474.0	2 246.0	2 152.7	93.3
PRIMARY AREA	70.2	<0.09		6.0		6.0		
WATER FLOOD AREA	6 410.0	<0.12	0.23	766.0	1 474.0	2 240.0		
CARDIUM B	575.0	0.10		57.5		57.5	45.1	12.4
CARDIUM C TOTAL	1 450.0			162.0	122.0	284.0	216.9	67.1
PRIMARY AREA	90.0	<0.05		4.0		4.0		
WATER FLOOD AREA	1 360.0	<0.12	0.09	158.0	122.0	280.0		
CARDIUM D TOTAL	6 507.0			774.0	1 426.0	2 200.0	1 559.8	640.2
PRIMARY AREA	303.0	0.10		30.3		30.3		
WATER FLOOD AREA	6 204.0	0.12	0.23	744.0	1 426.0	2 170.0		
CARDIUM F	54.1	<0.01		0.2		0.2	0.2	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
32	7.30	0.170	0.45	0.89	39	845	44	7 246	1 131.1	1986	91 12 - GPP
5 090					82	825	76	10 316	1 752.0	1978	88 12
2 295	3.91	0.090	0.65	0.81							
2 795	9.56	0.105	0.38	0.81							- GPP
1 079	2.85	0.118	0.32	0.81	74	807	60	10 725	1 737.4	1978	90 07
64	11.52	0.090	0.55	0.81	74	835	60	9 396	1 743.9	1985	92 03
32	40.60	0.045	0.40	0.80	76	858	61	19 541	1 853.7	1985	90 12 - GPP
20	20.90	0.120	0.30	0.78	111	841	60	20 784	1 902.8	1985	90 12 - GPP
16	57.00	0.044	0.15	0.83	62	848	61	19 451	1 839.7	1988	90 12 - GPP
32	19.29	0.045	0.28	0.79	99	852	57	19 987	1 867.5	1990	91 05 - GPP
32	30.90	0.050	0.26	0.79	99	852	57	19 471	1 852.7	1990	91 11
32	37.50	0.040	0.13	0.79	99	852	57	19 283	1 844.6	1990	92 11 - ABAND 92 08
16	12.80	0.070	0.45	0.82	67	835	62	18 592	1 779.8	1991	92 02
32	31.50	0.060	0.21	0.83	62	833	61	19 048	1 838.1	1991	91 07
32	29.70	0.070	0.20	0.81	77	858	60	19 082	1 841.5	1991	91 11 - GPP
64	1.70	0.150	0.39	0.87	35	835	74	26 282	2 399.0	1986	85 07 - GPP
64	5.00	0.160	0.40	0.92	27	806	33	9 082	1 038.2	1985	90 01 - GPP
607	1.94	0.065	0.37	0.80	130	813	65	13 110	1 641.8	1981	91 12 - GPP
259	1.89	0.090	0.43	0.70	130	820	57	13 210	1 715.1	1979	85 04 - GPP
64	3.50	0.120	0.35	0.80	78	821	50	12 929	1 688.3	1983	83 12
1 088	1.60	0.080	0.45	0.80	100	820	65	12 850	1 634.1	1980	91 12 - GPP
256	1.60	0.080	0.46	0.80	100	818	65	12 716	1 634.2	1980	86 01 - GPP
64	4.40	0.100	0.35	0.76	130	798	44	12 276	1 723.0	1983	84 04 - ABAND 86 10
192	0.68	0.070	0.31	0.80	83	822	63	11 730	1 687.4	1984	85 11 - GPP
64	1.00	0.080	0.40	0.80	99	803	44	13 362	1 670.2	1980	90 11 - GPP
256	2.14	0.060	0.30	0.80	74	821	63	11 441	1 632.6	1985	92 10
192	2.28	0.070	0.39	0.80	99	802	44	12 334	1 728.1	1986	90 10
64	1.40	0.090	0.22	0.78	99	817	68	10 765	1 667.7	1988	89 03
128	2.00	0.080	0.45	0.76	131	820	44	12 784	1 625.4	1985	90 11 - GPP
128	1.57	0.103	0.36	0.80	80	828	48	9 756	1 677.2	1985	87 10
32	1.50	0.140	0.35	0.83	68	923	62	12 760	1 832.0	1980	80 11 - ABAND 85 01
64	3.70	0.140	0.22	0.80	90	868	65	15 965	1 834.3	1985	85 12
64	2.80	0.130	0.15	0.78	91	877	58	16 172	1 786.9	1985	89 12
64	1.90	0.140	0.17	0.76	90	850	66	14 243	1 830.3	1988	89 01 - GPP
120	1.00	0.120	0.25	0.80	70	818	61	15 319	1 947.0	1985	92 10
64	1.10	0.090	0.40	0.80	80	865	58	14 777	1 813.2	1985	89 12
64	1.20	0.150	0.15	0.78	91	861	69	15 175	1 976.2	1985	86 08 - GPP
64	2.80	0.110	0.24	0.78	91	907	69	14 668	1 866.9	1986	87 04 - ABAND 90 10
64	1.50	0.105	0.25	0.80	71	845	70	13 005	1 891.8	1985	91 12 - ABAND 91 09
64	1.30	0.120	0.22	0.80	76	861	74	15 205	1 916.8	1981	82 02
64	3.10	0.120	0.28	0.78	91	879	69	16 571	1 862.2	1988	88 12
64	2.00	0.080	0.28	0.79	91	891	69	15 045	1 883.8	1988	89 03 - GPP
64	2.70	0.120	0.45	0.80	79	891	70	15 029	1 848.8	1989	90 03 - ABAND 90 10
16	2.40	0.110	0.24	0.89	45	875	35	15 250	1 938.3	1985	92 05 - GPP
128	9.77	0.084	0.33	0.80	95	913	54	16 497	1 837.1	1985	89 08
64	5.30	0.167	0.40	0.79	87	810	48	8 191	1 206.0	1982	86 12 - ABAND 91 09
64	3.20	0.180	0.44	0.89	66	822	37	7 956	1 183.3	1982	83 06 - ABAND 85 05
292	4.02	0.145	0.34	0.89	39	839	41	9 681	1 376.9	1987	91 07 - GPP
1 447					52	844	56	19 130	1 643.6	1962	86 11
128	0.73	0.097	0.11	0.87							- GPP
1 319	6.47	0.097	0.11	0.87							- GPP
150	4.66	0.105	0.10	0.87	52	844	57	19 200	1 672.5	1962	91 12 - GPP
295					52	844	57	19 170	1 652.8	1963	87 03
39	2.72	0.107	0.10	0.88							- GPP
256	6.27	0.107	0.10	0.88							- GPP
1 562					41	868	54	12 879	1 559.2	1980	91 12
192	3.84	0.057	0.19	0.89							- GPP
1 370	6.36	0.100	0.20	0.89							- GPP
64	1.20	0.100	0.20	0.88	52	878	56	10 794	1 544.4	1982	82 12 - ABAND 87 11

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
CYN-PEM 051-11W5 (CONTINUED)								
CARDIUM J	239.0	<0.01		2.1		2.1	2.1	
CARDIUM L	1 000.0	0.12	0.23	120.0	230.0	350.0	299.2	50.8
WATER FLOOD								
CARDIUM M	170.0	0.13		22.1		22.1	18.8	3.3
CARDIUM N	185.0	0.10		18.5		18.5	4.9	13.6
CARDIUM O GAS FLOOD	900.0	0.20	0.10	180.0	90.0	270.0	136.8	133.2
CARDIUM P	700.0	<0.09		59.5		59.5	34.4	25.1
CARDIUM Q	54.2	<0.03		1.6		1.6	1.6	
CARDIUM R	49.2	0.12		5.9		5.9	1.4	4.5
CARDIUM T	339.0	0.02		6.8		6.8	3.9	2.9
CARDIUM U	72.6	0.15		10.9		10.9	9.8	1.1
CARDIUM V	84.4	<0.02		1.4		1.4	1.4	
CARDIUM W	247.0	0.15		37.1		37.1	0.8	36.3
VIKING A	310.0	0.15		46.5		46.5	10.6	35.9
OSTRACOD A	234.0	0.15		35.1		35.1	30.6	4.5
ELLERSLIE E	211.0	0.05		10.6		10.6	3.6	7.0
ROCK CREEK I	63.4	0.01		0.6		0.6	0.5	0.1
ROCK CREEK K	216.0	<0.01		0.1		0.1	0.1	
ROCK CREEK C & G	313.0	0.03		9.4		9.4	5.4	4.0
NISKU A WATER FLOOD	475.0	0.20	0.25	95.0	119.0	214.0	131.1	82.9
FIELD TOTAL	22 381.9			2 585.2	3 561.0	6 146.2	4 745.7	1 400.5
DAVEY 034-27W4								
BELLY RIVER B	3 334.0	0.05		167.0		167.0	93.0	74.0
BELLY RIVER F	857.0	0.05		42.9		42.9	21.1	21.8
PEKISKO A	3 110.0	0.06		187.0		187.0	161.9	25.1
PEKISKO C	183.0	0.05		9.2		9.2	3.9	5.3
D-2 A	112.0	<0.01		0.3		0.3	0.3	
D-2 B	278.0	<0.01		2.1		2.1	2.1	
FIELD TOTAL	7 874.0			408.5		408.5	282.3	126.2
DAWSON 080-17W5								
BEAVERHILL LAKE A	477.0	0.20		95.4		95.4	79.9	15.5
BEAVERHILL LAKE B	368.0	0.10		36.8		36.8	24.8	12.0
BEAVERHILL LAKE C	117.0	<0.16		18.5		18.5	18.5	
SLAVE POINT A	72.9	<0.04		2.5		2.5	2.5	
SLAVE POINT B	128.0	0.25		32.0		32.0	18.8	13.2
SLAVE POINT C	84.1	0.12		10.1		10.1	8.2	1.9
SLAVE POINT D	294.0	<0.01		0.6		0.6	0.6	
SLAVE POINT E	17.6	<0.07		1.2		1.2	1.2	
SLAVE POINT F	40.0	<0.17		6.7		6.7	6.7	
SLAVE POINT G	40.0	0.15		6.0		6.0	1.7	4.3
SLAVE POINT H	661.0	0.20		132.0		132.0	41.9	90.1
SLAVE POINT I	189.0	0.15		28.4		28.4	8.7	19.7
SLAVE POINT J	530.0	0.15		79.5		79.5	35.9	43.6
SLAVE POINT K	673.0	0.05		33.7		33.7	20.1	13.6
SLAVE POINT L	51.5	<0.01		0.2		0.2	0.2	
SLAVE POINT M	343.0	0.25		85.8		85.8	33.9	51.9
SLAVE POINT N	206.0	0.15		30.9		30.9	10.6	20.3
SLAVE POINT O	93.7	0.10		9.4		9.4	3.9	5.5
SLAVE POINT P	409.0	0.20		81.8		81.8	16.3	65.5
GRANITE WASH A	115.0	<0.02		1.5		1.5	1.5	
GRANITE WASH B	337.0	0.05		16.9		16.9	11.1	5.8
GRANITE WASH C	130.0	<0.02		2.1		2.1	2.1	
FIELD TOTAL	5 376.8			712.0		712.0	349.1	362.9
DEL BONITA 001-21W4								
RUNDLE	397.0	0.31		123.0		123.0	114.5	8.5
FIELD TOTAL	397.0			123.0		123.0	114.5	8.5
DELIA 032-18W4								
ELLERSLIE A	73.4	<0.03		1.6		1.6	1.6	
FIELD TOTAL	73.4			1.6		1.6	1.6	
DIMSDALE 071-07W6								
CHARLIE LAKE A	140.0	0.20		28.0		28.0	13.0	15.0

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	7.00	0.100	0.40	0.89	41	871	54	10 490	1 512.8	1982	89 12 - GPP
171	6.51	0.120	0.15	0.88	61	856	56	19 037	1 642.7	1983	85 07 - GPP
50	7.70	0.064	0.20	0.86	53	845	36	10 234	1 792.1	1983	89 12 - GPP
64	2.88	0.134	0.15	0.88	44	844	58	18 959	1 750.7	1984	85 03 - GPP
255	4.86	0.102	0.20	0.89	45	844	52	10 011	1 567.0	1982	91 10
545	1.76	0.105	0.22	0.89	42	825	66	19 359	1 803.3	1982	89 06
64	1.72	0.070	0.20	0.88	44	860	58	10 234	1 770.8	1985	86 06 - ABAND 89 06
64	1.30	0.080	0.15	0.87	44	860	58	11 211	1 605.2	1985	86 10
64	6.00	0.130	0.20	0.85	54	834	64	10 237	1 797.8	1980	87 12 - GPP
64	1.50	0.100	0.15	0.89	41	867	54	8 246	1 569.1	1987	89 12
64	2.65	0.065	0.11	0.86	78	835	57	8 710	1 641.6	1981	83 11 - ABAND 90 07
64	5.13	0.120	0.27	0.86	53	845	58	18 000	1 735.6	1991	92 02
128	3.95	0.140	0.46	0.81	79	845	61	13 393	1 916.2	1986	86 10
128	2.64	0.116	0.17	0.72	384	787	91	28 955	2 381.1	1982	89 03
64	6.04	0.120	0.35	0.70	168	814	63	16 517	2 223.0	1979	83 12 - GPP
64	2.40	0.082	0.32	0.74	120	828	80	19 744	2 207.5	1983	91 12
64	6.38	0.089	0.30	0.85	120	853	80	16 550	2 174.2	1985	86 06
64	10.25	0.104	0.38	0.74	120	829	78	15 899	2 177.4	1981	85 12 - GPP
64	13.88	0.090	0.10	0.66	151	806	90	26 600	2 658.7	1978	80 12 - GPP
921	4.08	0.180	0.47	0.93	17	840	44	4 130	1 212.4	1978	92 08
192	5.43	0.170	0.48	0.93	17	841	44	4 396	1 187.5	1978	87 07 - GPP
768	11.21	0.066	0.27	0.75	98	855	66	12 580	1 988.4	1958	81 12 - GPP
64	13.60	0.040	0.30	0.75	85	854	59	11 665	1 990.7	1981	84 12 - GPP
65	9.75	0.034	0.20	0.65	177	825	66	21 710	2 355.5	1974	78 07 - ABAND 77 12
65	16.46	0.049	0.18	0.65	220	825	66	21 580	2 354.9	1974	80 12 - ABAND 79 11
127	6.38	0.090	0.15	0.77	91	825	69	20 059	2 073.0	1953	86 02 - GPP
64	5.49	0.160	0.15	0.77	99	834	64	19 622	1 287.5	1973	90 02 - GPP
129	3.96	0.035	0.15	0.77	91	845	69	19 917	2 049.2	1954	75 12 - ABAND 85 08
64	2.80	0.066	0.23	0.80	72	839	67	19 515	2 123.5	1984	92 11 - ABAND 91 11
67	3.80	0.080	0.28	0.87	42	840	59	20 253	1 994.1	1982	88 12 - GPP
64	2.30	0.105	0.32	0.80	70	840	71	20 406	2 122.7	1982	92 11 - GPP
64	7.68	0.095	0.30	0.90	29	840	55	21 153	2 120.5	1983	88 12 - ABAND 90 07
64	0.88	0.060	0.40	0.87	42	837	53	18 438	2 073.3	1983	88 12 - ABAND 90 11
96	2.00	0.060	0.60	0.87	92	838	69	20 096	2 074.0	1980	88 12 - ABAND 90 10
64	1.71	0.060	0.30	0.87	45	842	48	19 645	2 037.4	1986	91 03 - GPP
192	6.53	0.079	0.25	0.89	38	832	56	19 247	1 933.2	1986	88 01
64	8.40	0.057	0.29	0.87	38	832	56	19 913	2 028.4	1986	86 11 - GPP
192	6.69	0.069	0.32	0.88	38	832	56	19 631	1 972.7	1985	90 07 - GPP
64	12.30	0.108	0.10	0.88	39	825	54	19 473	1 992.3	1988	91 12 - GPP
64	3.40	0.050	0.45	0.86	43	831	67	19 166	2 002.3	1988	88 11 - ABAND 90 12
64	7.19	0.094	0.10	0.88	38	832	56	19 083	1 888.2	1989	89 06
64	5.44	0.083	0.18	0.87	55	853	65	21 364	2 075.6	1988	89 08 - GPP
64	4.01	0.061	0.32	0.88	39	835	54	21 355	1 879.9	1985	91 03 - GPP
64	9.50	0.090	0.15	0.88	39	825	54	19 588	1 998.8	1990	90 11
64	3.00	0.120	0.45	0.91	28	831	50	16 338	2 094.0	1983	86 02 - ABAND 90 10
64	4.50	0.200	0.35	0.90	29	834	60	20 792	2 098.5	1983	92 12 - GPP
64	3.10	0.100	0.25	0.87	38	840	72	21 264	2 097.4	1981	88 12 - ABAND 90 10
228	7.92	0.050	0.45	0.80	62	839	44	8 270	1 568.8	1936	91 12 - GPP
64	1.50	0.180	0.50	0.85	25	866	39	9 304	1 327.8	1982	89 12 - GPP
199	1.02	0.110	0.14	0.73	115	820	77	21 530	2 039.1	1986	92 06 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
DIMSDALE 071-07W6 (CONTINUED)								
HALFWAY A	183.0	0.05		9.2		9.2	3.4	5.8
HALFWAY B	82.1	0.20		16.4		16.4	7.7	8.7
FIELD TOTAL	405.1			53.6		53.6	24.1	29.5
DOE 081-12W6								
DOIG A	500.0	0.10		50.0		50.0	26.3	23.7
FIELD TOTAL	500.0			50.0		50.0	26.3	23.7
DONALDA 043-19W4								
VIKING I	282.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE F	172.0	0.15		25.8		25.8	23.0	2.8
FIELD TOTAL	454.0			26.0		26.0	23.2	2.8
DOWLING LAKE 032-15W4								
UPPER MANNVILLE A	465.0	0.10		46.5		46.5	1.7	44.8
LOWER MANNVILLE B	72.1	<0.01		0.1		0.1	0.1	
BANFF A	13.9	<0.01		0.1		0.1	0.1	
FIELD TOTAL	551.0			46.7		46.7	1.9	44.8
DRIFTPILE 073-11W5								
SLAVE POINT A	162.0	0.15		24.3		24.3	3.0	21.3
GILWOOD A	99.6	0.15		14.9		14.9	12.3	2.6
FIELD TOTAL	261.6			39.2		39.2	15.3	23.9
DRUMHELLER 029-19W4								
MANNVILLE A	291.0	0.05		14.6		14.6	10.0	4.6
MANNVILLE F	450.0	0.02		9.0		9.0	4.8	4.2
MANNVILLE I	2 300.0	0.05		115.0		115.0	72.2	42.8
MANNVILLE K	228.0	<0.01		0.2		0.2	0.2	
MANNVILLE L	265.0	<0.01		0.1		0.1	0.1	
MANNVILLE T	157.0	<0.05		7.8		7.8	2.7	5.1
MANNVILLE Y	265.0	<0.01		0.1		0.1	0.1	
MANNVILLE Z	177.0	0.10		17.7		17.7	6.7	11.0
MANNVILLE AA	143.0	<0.01		0.2		0.2	0.2	
MANNVILLE BB	267.0	<0.01		0.2		0.2	0.2	
MANNVILLE DD	1 246.0	0.03		37.4		37.4	22.6	14.8
MANNVILLE FF	305.0	<0.01		1.2		1.2	1.2	
MANNVILLE JJ	233.0	0.05		11.7		11.7	3.2	8.5
UPPER MANNVILLE A	524.0	0.20		105.0		105.0	83.5	21.5
UPPER MANNVILLE C	253.0	0.10		25.3		25.3	11.7	13.6
UPPER MANNVILLE D	36.9	0.10		3.7		3.7	0.7	3.0
UPPER MANNVILLE I	14.8	0.10		1.5		1.5	0.1	1.4
UPPER MANNVILLE K	110.0	<0.01		0.5		0.5	0.5	
LOWER MANNVILLE G	367.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE H	380.0	0.05		19.0		19.0	4.7	14.3
LOWER MANNVILLE I	182.0	0.10		18.2		18.2	3.6	14.6
LOWER MANNVILLE J	155.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE M	237.0	0.05		11.9		11.9	5.5	6.4
LOWER MANNVILLE O	155.0	0.10		15.5		15.5	5.6	9.9
LOWER MANNVILLE P	473.0	0.05		23.7		23.7	2.1	21.6
LOWER MANNVILLE S	118.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE U	341.0	0.05		17.1		17.1	0.3	16.8
BANFF B	71.4	<0.01		0.1		0.1	0.1	
BANFF C	130.0	<0.01		1.1		1.1	1.1	
D-2 A	2 809.0	0.65		1 826.0		1 826.0	1 747.6	78.4
D-2 B	5 750.0	0.50		2 875.0		2 875.0	2 379.2	495.8
D-2 C	172.0	0.15		25.8		25.8	12.8	13.0
FIELD TOTAL	18 606.1			5 185.1		5 185.1	4 383.8	801.3
DUHAMEL 045-21W4								
WABAMUN A	48.3	<0.08		3.5		3.5	3.5	
D-2 A	2 200.0	0.55		1 210.0		1 210.0	1 086.1	123.9
D-3 A	191.0	<0.10		18.3		18.3	18.3	
D-3 B WATER FLOOD	2 240.0	0.50	0.15	1 120.0	336.0	1 456.0	1 434.5	21.5

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	6.80	0.084	0.35	0.77	108	820	78	21 897	2 148.8	1980	83 12
64	4.50	0.073	0.45	0.71	120	821	65	21 470	2 180.6	1980	92 12
589	1.45	0.110	0.30	0.76	92	832	72	14 863	1 576.2	1986	92 10 - GPP
64	4.30	0.190	0.40	0.90	30	856	43	5 686	1 014.4	1971	92 10
128	1.02	0.210	0.32	0.92	30	856	32	8 011	1 180.6	1986	88 12 - GPP
64	6.50	0.180	0.27	0.85	59	852	37	8 659	1 175.8	1986	87 11 - GPP
64	2.10	0.100	0.39	0.88	53	892	35	8 736	1 239.9	1987	88 01 - ABAND 87 11
16	4.70	0.035	0.38	0.85	50	880	37	7 938	1 249.4	1987	92 09 - ABAND 92 06
64	7.30	0.070	0.45	0.90	31	843	49	18 810	1 924.5	1985	85 08 - GPP
64	2.30	0.150	0.45	0.82	66	854	49	20 871	1 948.2	1985	85 08 - GPP
85	4.07	0.150	0.30	0.80	59	865	49	9 430	1 355.6	1950	83 06 - GPP
71	3.96	0.252	0.28	0.88	44	855	47	10 340	1 303.5	1960	85 07 - GPP
512	8.36	0.140	0.52	0.80	44	855	54	9 340	1 299.5	1959	86 10 - GPP
64	4.60	0.140	0.35	0.85	62	849	54	10 080	1 305.2	1968	79 11 - ABAND 82 05
65	4.27	0.200	0.40	0.80	71	855	56	9 430	1 310.9	1969	70 08 - ABAND 71 10
65	1.83	0.200	0.23	0.86	50	887	46	10 260	1 364.6	1975	77 04 - GPP
64	7.00	0.100	0.35	0.91	28	887	54	6 300	1 250.3	1978	79 02 - ABAND 79 01
128	1.30	0.220	0.43	0.85	60	858	46	10 282	1 272.1	1978	84 06 - GPP
16	15.90	0.120	0.45	0.85	54	885	46	7 120	1 321.4	1979	92 11 - GPP
64	6.30	0.130	0.40	0.85	62	871	47	9 804	1 324.3	1980	83 12 - ABAND 92 02
128	15.90	0.140	0.46	0.81	78	825	47	9 468	1 162.9	1980	84 04 - GPP
64	4.50	0.210	0.37	0.80	78	877	41	9 262	1 324.3	1980	87 12 - ABAND 89 11
64	10.80	0.090	0.56	0.85	59	860	47	9 167	1 287.7	1988	89 12 - GPP
128	3.71	0.206	0.33	0.80	62	855	46	9 358	1 269.7	1961	89 12 - GPP
64	4.70	0.210	0.50	0.80	79	869	50	10 500	1 318.2	1982	82 09 - GPP
64	1.00	0.160	0.55	0.80	87	869	40	9 200	1 288.2	1979	83 05
64	2.30	0.070	0.82	0.80	60	885	46	9 826	1 355.2	1985	88 03
64	2.40	0.180	0.53	0.85	80	850	40	9 809	1 323.8	1987	92 10
64	8.00	0.110	0.26	0.88	43	887	43	9 760	1 306.0	1984	86 03 - ABAND 90 07
126	4.76	0.150	0.52	0.88	43	879	43	9 435	1 257.7	1981	89 10 - GPP
64	5.30	0.140	0.55	0.85	58	855	44	9 319	1 256.0	1984	85 04 - GPP
64	6.41	0.110	0.57	0.80	80	879	44	8 372	1 313.0	1982	89 12 - ABAND 91 11
32	10.00	0.140	0.40	0.88	52	850	43	8 431	1 255.0	1980	92 08 - GPP
64	3.10	0.160	0.39	0.80	86	887	45	8 105	1 256.5	1988	89 02 - GPP
64	12.90	0.140	0.53	0.87	42	888	70	9 372	1 255.4	1988	89 08
32	3.20	0.210	0.37	0.87	48	878	46	9 606	1 263.8	1989	91 07 - ABAND 90 07
64	3.50	0.260	0.35	0.90	37	821	50	9 255	1 257.2	1989	91 03
64	2.80	0.070	0.33	0.85	50	876	50	8 903	1 321.4	1979	83 12 - ABAND 80 08
64	2.20	0.150	0.30	0.88	50	877	43	9 649	1 270.1	1988	92 10
677	7.63	0.078	0.17	0.84	66	860	55	13 170	1 655.1	1951	88 12
1 226	9.29	0.076	0.18	0.81	70	855	54	13 200	1 613.7	1961	84 12 - GPP
64	5.00	0.080	0.20	0.84	66	858	55	12 934	1 625.5	1981	83 12 - GPP
65	1.22	0.100	0.30	0.87	44	844	71	8 960	1 374.6	1952	67 02 - GPP
539	10.73	0.058	0.20	0.82	68	844	54	10 340	1 375.3	1950	91 12 - GPP
272	4.48	0.028	0.30	0.80	79	844	57	12 890	1 472.2	1956	64 04 - ABAND 69 12
212	20.52	0.073	0.14	0.82	79	844	56	12 930	1 461.2	1950	85 07 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
DUHAMEL 045-21W4 (CONTINUED) FIELD TOTAL	4 679.3			2 351.8	336.0	2 687.8	2 542.4	145.4
DUNVEGAN 079-02W6 DEBOLT R DEBOLT T FIELD TOTAL	177.0 111.0 288.0	0.10 <0.03		17.7 3.1 20.8		17.7 3.1 20.8	0.1 3.1 3.2	17.6
EAGLESHAM 077-25W5 DEBOLT D D-1 A D-1 B D-1 C D-1 D D-1 E D-1 F D-1 G D-1 H D-1 I D-3 A FIELD TOTAL	149.0 217.0 252.0 156.0 159.0 44.5 88.6 32.4 247.0 734.0 2 079.5	<0.08 0.35 0.12 0.10 <0.02 0.15 0.20 0.10 <0.01 0.40		11.3 76.0 30.2 15.6 2.1 6.7 17.7 3.2 1.1 294.0 457.9		11.3 76.0 30.2 15.6 2.1 6.7 17.7 3.2 1.1 294.0 457.9	11.3 66.6 28.2 9.7 2.1 0.6 0.6 0.2 1.1 282.7 403.1	
EAGLESHAM NORTH 078-25W5 D-1 A D-1 B D-1 C D-1 D D-1 E D-1 F D-1 G D-1 H D-1 I D-1 J D-1 K D-1 L D-1 M D-1 N D-1 O D-1 P D-1 Q D-1 R D-1 S D-1 T D-1 U D-1 V FIELD TOTAL	127.0 225.0 488.0 84.1 503.0 597.0 595.0 369.0 320.0 236.0 275.0 654.0 683.0 397.0 283.0 181.0 210.0 86.3 102.0 115.0 181.0 39.4 6 750.8	<0.19 <0.05 0.25 <0.09 0.20 0.20 0.25 0.35 0.20 0.30 0.10 0.10 0.35 0.20 0.10 <0.05 <0.03 0.20 0.35 0.30 0.10 0.20		23.1 11.1 122.0 7.0 100.0 119.0 149.0 129.0 64.0 70.8 27.5 65.4 239.0 79.4 28.3 7.3 4.7 17.3 35.7 34.5 18.1 7.9 1 360.1		23.1 11.1 122.0 7.0 100.0 119.0 149.0 129.0 64.0 70.8 27.5 65.4 239.0 79.4 28.3 7.3 4.7 17.3 35.7 34.5 18.1 7.9 1 360.1	23.1 11.1 43.3 7.0 43.5 36.8 51.8 18.8 18.1 20.4 16.0 15.0 52.6 19.0 10.9 7.3 4.7 3.6 11.3 6.2 0.2 5.8 426.5	
EARRING 083-08W6 CHARLIE LAKE A CHARLIE LAKE B FIELD TOTAL	272.0 364.0 636.0	<0.01 <0.01		0.2 0.1 0.3		0.2 0.1 0.3	0.2 0.1 0.3	
EDSON 052-17W5 CARDIUM A CARDIUM B TOTAL PRIMARY AREA WATER FLOOD AREA CARDIUM C CARDIUM E CARDIUM J CARDIUM T CARDIUM U CARDIUM W CARDIUM EE CARDIUM II CARDIUM JJ CARDIUM KK CARDIUM SS	84.9 3 583.0 273.0 3 310.0 2 640.0 236.0 500.0 150.0 80.9 32.4 55.9 99.1 250.0 105.0 109.0	0.15 0.12 0.10 0.05 0.08 0.10 0.10 0.12 0.10 0.10 0.10 0.10 0.17 0.10		12.7 364.0 32.8 331.0 132.0 18.9 50.0 15.0 9.7 3.2 5.6 9.9 25.0 17.9 10.9		12.7 463.0 32.8 430.0 132.0 18.9 50.0 15.0 9.7 3.2 5.6 9.9 25.0 17.9 10.9	9.3 433.5 96.6 5.9 38.7 7.3 9.2 7.7 4.7 4.1 14.2 14.3 1.2	3.4 29.5 35.4 13.0 11.3 7.7 0.5 3.2 0.9 5.8 10.8 3.6 9.7

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	2.82	0.195	0.28	0.70	131	856	45	10 045	1 498.8	1988	89 03
64	2.00	0.180	0.40	0.80	72	857	61	9 313	1 458.5	1983	90 12 - ABAND 90 03
64	8.31	0.050	0.20	0.70	149	829	51	10 450	1 497.8	1960	83 12 - GPP
64	23.00	0.040	0.45	0.67	167	826	64	21 977	2 047.3	1980	90 12 - GPP
32	19.60	0.080	0.25	0.67	163	835	64	21 777	2 053.1	1981	90 12 - GPP
16	42.30	0.040	0.14	0.67	163	840	64	21 808	2 065.1	1985	89 12 - GPP
16	84.00	0.019	0.17	0.75	163	849	64	22 283	2 092.0	1985	90 12 - ABAND 88 05
16	19.80	0.030	0.30	0.67	163	832	64	22 162	2 089.5	1988	90 12 - GPP
16	31.20	0.030	0.27	0.81	57	852	69	22 087	2 093.2	1988	90 02 - GPP
32	6.21	0.030	0.19	0.67	163	832	64	21 400	2 086.6	1989	89 12 - GPP
16	48.63	0.060	0.21	0.67	163	832	64	22 250	2 089.0	1989	92 06 - ABAND 92 01
191	10.33	0.062	0.13	0.69	154	820	74	25 060	2 307.0	1959	78 12 - GPP
32	14.10	0.053	0.32	0.78	111	841	60	20 502	1 953.1	1987	92 07 - ABAND 92 04
32	24.30	0.051	0.30	0.81	77	833	60	21 297	1 996.8	1988	92 08 - ABAND 92 04
32	54.00	0.042	0.19	0.83	62	833	61	19 885	1 899.6	1988	90 12 - ABAND 91 05
32	8.00	0.060	0.34	0.83	61	849	61	20 283	1 970.5	1989	90 12 - GPP
16	107.40	0.043	0.18	0.83	62	848	61	20 378	1 911.1	1989	90 12 - GPP
16	77.40	0.070	0.17	0.83	62	849	61	20 203	1 914.6	1989	90 12 - GPP
16	93.30	0.060	0.20	0.83	62	849	61	20 640	1 959.3	1989	90 12 - GPP
16	48.00	0.080	0.25	0.80	76	844	60	20 375	1 957.5	1989	90 12 - GPP
16	58.80	0.050	0.18	0.83	111	849	60	19 914	1 889.6	1989	90 12 - GPP
64	20.00	0.030	0.26	0.83	111	849	60	19 603	1 895.3	1989	90 10 - GPP
16	38.40	0.070	0.23	0.83	62	849	61	20 818	1 989.0	1989	91 12 - GPP
32	56.62	0.050	0.13	0.83	62	849	61	20 283	1 964.2	1989	90 11 - GPP
32	61.20	0.050	0.16	0.83	62	849	61	19 944	1 983.0	1989	90 12 - GPP
32	72.80	0.027	0.24	0.83	62	849	61	20 378	1 967.0	1989	91 12 - GPP
16	99.00	0.029	0.22	0.79	99	852	57	21 339	2 010.4	1989	91 12 - GPP
16	77.40	0.026	0.29	0.79	99	852	57	20 291	1 977.8	1989	92 04 - ABAND 92 01
16	38.10	0.056	0.26	0.83	62	849	61	20 450	1 984.5	1990	92 09 - ABAND 92 01
16	15.60	0.057	0.27	0.83	62	849	61	19 338	1 907.9	1990	91 02 - GPP
64	8.10	0.030	0.21	0.83	62	849	61	19 757	1 878.8	1990	90 08 - GPP
32	18.30	0.030	0.21	0.83	62	849	61	19 549	1 887.2	1990	91 08 - GPP
32	97.40	0.010	0.30	0.83	62	849	61	19 549	1 897.7	1990	91 09 - GPP
32	4.50	0.050	0.34	0.83	62	849	61	19 913.4	1 913.4	1990	91 01 - GPP
64	6.50	0.110	0.30	0.85	60	917	48	10 444	1 145.8	1987	88 04 - ABAND 89 11
64	8.60	0.140	0.41	0.80	84	880	43	10 628	1 163.0	1988	88 07 - ABAND 89 11
65	1.52	0.130	0.13	0.76	104	825	61	21 720	1 785.8	1963	91 04 - GPP
2 397					104	825	61	22 410	1 843.7	1963	90 12 - GPP
128	3.35	0.101	0.17	0.76							
2 269	2.29	0.101	0.17	0.76							
2 495	2.40	0.090	0.21	0.62	230	815	64	23 250	1 984.1	1972	83 07 - GPP
192	1.79	0.110	0.18	0.76	103	825	60	19 974	1 922.0	1974	84 09 - GPP
516	1.50	0.100	0.15	0.76	180	802	55	20 800	1 895.6	1978	81 12 - GPP
97	2.00	0.150	0.15	0.61	200	800	53	20 900	1 909.7	1981	82 12 - GPP
64	2.00	0.120	0.15	0.62	185	800	63	19 361	1 899.5	1981	86 12 - GPP
64	0.98	0.080	0.15	0.76	105	802	62	20 800	1 896.3	1981	82 07 - GPP
64	2.40	0.069	0.15	0.62	190	813	69	21 760	2 002.1	1982	82 11 - GPP
64	2.70	0.090	0.15	0.75	104	825	63	19 382	1 905.9	1981	83 12 - GPP
221	2.00	0.095	0.15	0.70	104	800	64	22 739	1 940.2	1980	83 12 - GPP
64	1.90	0.150	0.07	0.62	195	800	65	16 297	1 900.2	1982	87 12 - GPP
64	3.00	0.110	0.18	0.63	189	819	64	19 900	1 918.3	1983	83 10 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
EDSON 052-17W5 (CONTINUED)								
CARDIUM TT	45.1	0.20		9.0		9.0	3.2	5.8
CARDIUM UU	26.6	0.12		3.2		3.2	2.6	0.6
CARDIUM VV	66.8	0.12		8.0		8.0	6.7	1.3
CARDIUM XX	62.1	<0.02		1.0		1.0	1.0	
CARDIUM CC & WW	237.0	0.10		23.7		23.7	13.9	9.8
CARDIUM RR & ZZ	1 250.0	0.10		125.0		125.0	100.5	24.5
CARDIUM CCC	168.0	<0.01		0.2		0.2	0.2	
CARDIUM DDD	49.0	0.10		4.9		4.9	1.9	3.0
CARDIUM EEE	148.0	0.05		7.4		7.4	0.6	6.8
CARDIUM &	8 264.0	0.05		413.0		413.0	320.5	92.5
BLUESKY MU #1								
SECOND WHITE	349.0	0.10		34.9		34.9	18.6	16.3
SPECKS A								
SECOND WHITE	244.0	0.10		24.4		24.4	3.2	21.2
SPECKS B								
SECOND WHITE	315.0	0.20		63.0		63.0	22.7	40.3
SPECKS C								
CADOMIN A	108.0	<0.01		0.5		0.5	0.5	
FIELD TOTAL	19 258.8			1 393.0	99.3	1 492.0	1 135.1	356.9
ELLERSLIE 051-24W4								
BLAIRMORE A	79.3	<0.11		8.1		8.1	8.1	
BLAIRMORE B	186.0	<0.32		59.2		59.2	59.2	
FIELD TOTAL	265.3			67.3		67.3	67.3	
ELMWORTH 070-11W6								
DOE CREEK B	1 635.0	0.10		164.0		164.0	88.1	75.9
DOE CREEK C	55.5	<0.02		0.9		0.9	0.9	
DUNVEGAN B	226.0	0.05		11.3		11.3	2.4	8.9
CADOTTE H	253.0	<0.01		0.6		0.6	0.6	
CHARLIE LAKE A	2 780.0	0.15		417.0		417.0	256.6	160.4
CHARLIE LAKE B	114.0	0.10		11.4		11.4	2.2	9.2
FIELD TOTAL	5 063.5			605.2		605.2	350.8	254.4
ELNORA 035-23W4								
UPPER MANNVILLE E	200.0	0.10		20.0		20.0	14.0	6.0
UPPER MANNVILLE L	300.0	0.20		60.0		60.0	32.8	27.2
LOWER MANNVILLE B	71.3	<0.02		1.0		1.0	1.0	
LOWER MANNVILLE D	107.0	0.10		10.7		10.7	0.4	10.3
FIELD TOTAL	678.3			91.7		91.7	48.2	43.5
ENCHANT 012-16W4								
LIVINGSTONE A	500.0	0.20		100.0		100.0	38.6	61.4
LIVINGSTONE B	227.0	0.10		22.7		22.7	3.5	19.2
LIVINGSTONE C	178.0	0.10		17.8		17.8	8.4	9.4
LIVINGSTONE D	97.7	0.10		9.8		9.8	0.3	9.5
LIVINGSTONE E	291.0	0.10		29.1		29.1	0.5	28.6
ARCS A	530.0	0.25		133.0		133.0	83.4	49.6
ARCS B	138.0	0.15		20.7		20.7	8.4	12.3
ARCS C	177.0	0.05		8.9		8.9	2.2	6.7
ARCS D	168.0	0.10		16.8		16.8	12.0	4.8
ARCS E	200.0	0.08		16.0		16.0	13.3	2.7
ARCS H	178.0	<0.01		1.1		1.1	1.1	
ARCS I	404.0	0.10		40.4		40.4	11.8	28.6
ARCS S	92.2	0.10		9.2		9.2	4.7	4.5
ARCS T	303.0	0.05		15.2		15.2	4.7	10.5
ARCS DD	189.0	0.02		3.8		3.8	0.1	3.7
ARCS KK	271.0	0.05		13.6		13.6	3.5	10.1
ARCS LL	111.0	0.15		16.7		16.7	2.8	13.9
ARCS OO	398.0	0.20		79.6		79.6	6.4	73.2
ARCS PP	190.0	0.10		19.0		19.0	3.3	15.7
ARCS QQ	88.0	0.15		13.2		13.2	4.6	8.6
ARCS F & G	3 623.0	<0.16		545.0		545.0	189.2	355.8
ARCS P & R	550.0	0.15		82.5		82.5	24.5	58.0
ARCS W & X	621.0	0.10		62.1		62.1	4.8	57.3
ARCS K & V	610.0	0.15		91.5		91.5	32.3	59.2
ARCS M & AA	510.0	0.15		76.5		76.5	20.0	56.5

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	0.85	0.150	0.15	0.65	186	824	65	21 464	1 917.3	1983	87 12 - GPP
64	0.79	0.100	0.15	0.62	186	824	65	21 050	1 969.5	1981	89 12 - GPP
88	1.20	0.120	0.15	0.62	189	815	64	17 670	1 916.4	1963	87 12 - GPP
64	1.30	0.130	0.18	0.70	153	821	64	18 370	1 865.2	1984	91 10 - ABAND 89 09
512	0.88	0.100	0.26	0.71	122	809	63	21 587	1 965.6	1974	84 10
1 800	1.42	0.100	0.27	0.67	189	817	64	17 626	1 870.7	1977	91 12
64	3.00	0.160	0.24	0.72	142	829	67	22 968	1 749.3	1982	88 12
64	2.00	0.060	0.15	0.75	104	826	63	22 503	2 123.3	1983	83 08
64	3.00	0.122	0.28	0.88	204	825	64	21 638	1 934.9	1972	89 05
3 640	4.57	0.100	0.28	0.69	220	813	83	23 264	1 957.2	1962	90 08 - GPP
64	4.60	0.220	0.24	0.71	120	800	65	25 286	2 101.3	1981	83 02 - GPP
64	12.10	0.050	0.10	0.70	130	825	72	23 822	2 242.0	1987	92 04 - GPP
128	2.85	0.120	0.10	0.80	165	812	80	24 314	2 246.3	1991	92 12 - GPP
64	2.00	0.150	0.20	0.70	140	800	97	22 070	2 708.0	1981	82 04
83	0.91	0.200	0.30	0.75	46	876	47	8 820	1 188.4	1950	71 05 - ABAND 70 07
135	1.43	0.173	0.36	0.87	46	876	47	8 860	1 184.8	1951	74 04 - ABAND 74 03
809	1.70	0.193	0.30	0.88	80	833	40	10 015	1 128.1	1985	89 01
64	1.10	0.160	0.44	0.88	55	835	36	9 800	1 139.4	1985	92 10
64	4.18	0.160	0.34	0.80	88	816	50	7 345	1 313.3	1988	91 10 - GPP
64	9.00	0.100	0.43	0.77	100	831	63	14 562	1 715.2	1986	88 12
768	5.90	0.100	0.16	0.73	114	820	85	31 000	2 396.7	1979	84 11
64	3.40	0.110	0.32	0.70	83	803	60	21 751	2 255.8	1979	83 12 - GPP
53	4.40	0.150	0.32	0.84	54	875	52	8 340	1 499.7	1987	89 12 - GPP
64	4.12	0.160	0.10	0.79	78	878	59	8 120	1 622.5	1988	89 12
64	1.50	0.115	0.24	0.85	52	892	64	9 752	1 643.3	1986	92 10
64	2.00	0.140	0.30	0.85	64	846	48	10 036	1 598.5	1988	89 05
89	13.61	0.077	0.33	0.80	88	855	29	11 091	979.1	1987	92 10 - GPP
64	5.20	0.135	0.42	0.87	52	862	35	11 141	1 041.6	1987	88 07 - GPP
64	7.88	0.060	0.30	0.84	70	905	37	11 485	1 015.8	1988	90 03 - GPP
32	6.50	0.090	0.42	0.90	41	912	39	10 646	999.9	1989	89 08
64	7.00	0.090	0.14	0.84	70	898	30	10 709	1 029.3	1989	92 09
143	3.76	0.152	0.22	0.83	50	887	35	12 266	1 326.0	1985	89 02
64	2.92	0.110	0.19	0.83	87	854	36	11 060	1 344.8	1986	91 12
32	5.00	0.180	0.30	0.88	47	854	36	12 638	1 331.5	1986	90 12 - GPP
32	8.30	0.080	0.10	0.88	47	854	36	13 500	1 347.2	1986	90 12 - GPP
64	3.50	0.126	0.14	0.83	75	880	36	12 506	1 334.9	1987	90 06 - GPP
32	6.00	0.150	0.29	0.87	52	880	35	12 295	1 340.0	1987	90 12 - ABAND 88 08
64	8.34	0.110	0.21	0.87	52	900	35	12 000	1 356.1	1987	88 04
32	4.00	0.140	0.38	0.83	80	890	39	12 210	1 337.5	1988	91 12 - GPP
64	5.21	0.120	0.15	0.89	83	883	35	12 206	1 365.0	1988	92 12
32	6.00	0.160	0.25	0.82	83	868	35	13 658	1 348.6	1986	90 04 - GPP
64	5.40	0.110	0.20	0.89	49	883	35	14 387	1 346.6	1990	90 10 - GPP
64	2.71	0.100	0.28	0.89	62	883	35	12 747	1 377.6	1989	91 09
64	6.00	0.160	0.18	0.79	109	898	34	12 556	1 342.5	1986	91 10
64	3.60	0.130	0.27	0.87	73	862	35	12 228	1 365.2	1989	91 09
16	5.66	0.130	0.16	0.89	49	883	35	13 705	1 370.5	1990	91 12 - GPP
256	15.60	0.140	0.20	0.81	52	898	35	12 139	1 355.6	1987	92 01
100	8.10	0.110	0.29	0.87	92	862	35	12 020	1 373.1	1988	89 01
128	6.42	0.110	0.21	0.87	83	862	35	12 230	1 334.9	1989	91 01
113	5.83	0.130	0.20	0.89	49	849	35	11 439	1 360.8	1987	90 03
92	6.72	0.120	0.21	0.87	52	862	35	11 850	1 363.7	1988	90 03

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
ENCHANT 012-16W4 (CONTINUED)								
ARCS L & BB	303.0	0.15		45.5		45.5	8.9	36.6
ARCS Y & Z	1 523.0	0.15		228.0		228.0	34.0	194.0
ARCS CC & EE	1 698.0	0.10		170.0		170.0	36.4	133.6
ARCS II & JJ	322.0	0.08		25.8		25.8	5.0	20.8
ARCS FF & GG	563.0	0.20		113.0		113.0	13.2	99.8
ARCS MM & NN	596.0	0.20		119.0		119.0	18.4	100.6
ARCS N & O	207.0	0.15		31.0		31.0	10.3	20.7
ARCS TT & UU	317.0	0.15		47.6		47.6	2.5	45.1
ARCS J & VV	466.0	0.08		37.3		37.3	2.9	34.4
FIELD TOTAL *	16 639.9			2 261.4		2 261.4	616.0	1 645.4
ENSIGN 016-26W4								
RUNDLE A	150.0	<0.02		2.9		2.9	2.9	
FIELD TOTAL	150.0			2.9		2.9	2.9	
ENTICE 027-24W4								
LOWER MANNVILLE A	331.0	0.02		6.6		6.6	4.0	2.6
PEKISKO A	260.0	0.03		7.8		7.8	4.8	3.0
FIELD TOTAL	591.0			14.4		14.4	8.8	5.6
EQUISETUM 088-06W5								
KEG RIVER A	39.8	<0.02		0.7		0.7	0.7	
KEG RIVER B	58.9	<0.01		0.5		0.5	0.5	
KEG RIVER C	152.0	0.20		30.4		30.4	3.3	27.1
FIELD TOTAL	250.7			31.6		31.6	4.5	27.1
ERSKINE 039-20W4								
BLAIRMORE F	192.0	<0.01		1.7		1.7	1.7	
BLAIRMORE G	193.0	0.10		19.3		19.3	2.4	16.9
BLAIRMORE J	465.0	0.10		46.5		46.5	25.6	20.9
BLAIRMORE P	150.0	<0.01		0.4		0.4	0.4	
BLAIRMORE W	206.0	<0.01		0.3		0.3	0.3	
BLAIRMORE X	89.6	0.10		9.0		9.0	4.9	4.1
GLAUCONITIC E	178.0	<0.01		0.1		0.1		0.1
GLAUCONITIC F	201.0	0.10		20.1		20.1	2.5	17.6
GLAUCONITIC I	149.0	0.05		7.5		7.5	0.9	6.6
D-2	459.0	0.10		45.9		45.9	42.3	3.6
D-2 B	59.3	0.05		3.0		3.0	0.7	2.3
D-2 C	41.6	<0.02		0.8		0.8	0.8	
D-2 E	116.0	<0.01		0.1		0.1	0.1	
D-3	6 927.0	0.60		4 156.0		4 156.0	3 817.0	339.0
FIELD TOTAL	9 426.5			4 310.7		4 310.7	3 899.6	411.1
ESTHER 032-02W4								
VIKING A	110.0	0.02		2.2		2.2	1.7	0.5
VIKING B & C	842.0	0.10		84.2		84.2	49.6	34.6
FIELD TOTAL *	952.0			86.4		86.4	51.3	35.1
ESTUARY 023-22W4								
BASAL QUARTZ A	200.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	200.0			0.1		0.1	0.1	
ETHEL 067-08W5								
BEAVERHILL LAKE A	993.0	0.02		19.9		19.9	12.0	7.9
FIELD TOTAL	993.0			19.9		19.9	12.0	7.9
EVI 087-13W5								
SLAVE POINT A	880.0	0.15		132.0		132.0	101.4	30.6
SLAVE POINT B	1 207.0	0.10		121.0		121.0	110.2	10.8
SLAVE POINT C	280.0	<0.04		10.6		10.6	10.6	
SLAVE POINT D	216.0	0.10		21.6		21.6	15.7	5.9
SLAVE POINT E	66.4	0.10		6.6		6.6	1.4	5.2
SLAVE POINT F	59.1	0.10		5.9		5.9	3.1	2.8

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
128	4.20	0.080	0.21	0.89	49	870	35	12 340	1 356.8	1987	90 05 - GPP
128	15.00	0.120	0.24	0.87	70	883	35	12 168	1 355.6	1989	92 10
96	18.64	0.130	0.18	0.89	49	883	35	13 346	1 339.1	1989	91 12
50	10.28	0.100	0.28	0.87	83	862	35	12 347	1 350.6	1986	91 12 - GPP
110	6.28	0.130	0.28	0.87	83	862	35	12 036	1 356.7	1989	92 05
64	9.57	0.140	0.21	0.88	83	898	35	11 794	1 328.8	1990	92 05
64	4.86	0.110	0.32	0.89	49	883	35	12 161	1 381.5	1988	92 02 - GPP
129	4.68	0.104	0.42	0.87	83	843	35	11 610	1 368.9	1988	92 04
165	4.34	0.115	0.35	0.87	74	897	35	12 229	1 388.3	1987	92 09
64	5.55	0.070	0.15	0.71	124	870	49	18 433	2 039.0	1976	90 12
64	3.00	0.260	0.21	0.84	67	884	44	10 850	1 575.8	1975	82 12 - GPP
64	10.00	0.090	0.45	0.82	52	887	53	11 703	1 689.2	1980	83 12 - GPP
64	2.33	0.060	0.50	0.89	40	830	46	14 758	1 517.3	1987	92 10
64	2.50	0.056	0.27	0.90	32	824	39	14 507	1 489.0	1987	88 06 - ABAND 91 05
64	5.20	0.080	0.33	0.85	40	830	43	14 502	1 510.3	1988	88 11
64	3.10	0.190	0.42	0.88	48	899	50	9 900	1 385.1	1978	79 05 - ABAND 83 09
64	2.20	0.200	0.22	0.88	121	875	52	10 119	1 334.1	1980	85 05 - GPP
192	2.29	0.190	0.36	0.87	47	880	46	9 991	1 340.2	1982	84 06
64	2.80	0.190	0.50	0.88	48	875	37	8 075	1 379.8	1953	88 12
64	3.30	0.190	0.39	0.84	64	900	54	9 883	1 348.1	1985	87 12
64	1.80	0.150	0.39	0.85	57	873	50	10 303	1 323.1	1981	82 09 - GPP
64	2.40	0.200	0.30	0.83	68	877	44	9 797	1 329.9	1973	83 04 - ABAND 85 04
64	2.70	0.200	0.30	0.83	75	870	50	9 475	1 318.0	1981	81 07
64	2.40	0.180	0.35	0.83	68	877	44	9 360	1 334.7	1973	84 05
58	17.37	0.067	0.15	0.80	76	887	60	11 960	1 577.6	1955	73 12 - GPP
16	9.50	0.065	0.25	0.80	77	899	61	10 418	1 573.3	1980	92 11 - GPP
32	3.19	0.060	0.15	0.80	54	887	60	11 304	1 576.2	1954	89 12 - ABAND 89 06
64	2.99	0.100	0.24	0.80	84	887	48	11 035	1 582.8	1984	85 02
1 864	8.60	0.062	0.15	0.82	84	887	61	15 270	1 642.0	1952	92 12 - GPP
64	1.67	0.220	0.48	0.90	38	871	29	6 696	710.0	1969	90 12 - GPP
444	1.68	0.220	0.43	0.90	44	849	27	6 574	713.3	1974	86 03 - GPP
64	4.50	0.150	0.45	0.84	68	877	46	10 570	1 517.3	1980	83 12 - ABAND 82 08
400	7.19	0.057	0.17	0.73	99	815	67	21 550	2 292.7	1964	92 12 - GPP
384	5.64	0.062	0.28	0.91	171	833	38	16 364	1 573.8	1979	91 12 - GPP
705	3.86	0.065	0.25	0.91	30	833	38	16 257	1 555.3	1979	89 12 - GPP
64	5.00	0.120	0.20	0.91	33	833	38	15 810	1 576.5	1981	85 12 - ABAND 87 03
64	6.50	0.090	0.27	0.79	94	861	49	15 650	1 584.3	1982	86 12 - GPP
64	3.00	0.060	0.27	0.79	94	833	49	15 649	1 528.3	1982	85 12 - GPP
32	4.00	0.080	0.27	0.79	94	833	49	15 926	1 543.0	1982	92 10 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
EVI 087-13W5 (CONTINUED)								
SLAVE POINT H	1 050.0	0.08		84.0		84.0	58.2	25.8
SLAVE POINT I	153.0	<0.05		7.0		7.0	7.0	
SLAVE POINT K	1 410.0	0.05		70.5		70.5	33.6	36.9
SLAVE POINT L	185.0	0.08		14.8		14.8	13.0	1.8
SLAVE POINT M	62.9	0.30		18.9		18.9	4.9	14.0
SLAVE POINT N	398.0	0.10		39.8		39.8	24.3	15.5
SLAVE POINT O	72.6	0.10		7.3		7.3	0.5	6.8
SLAVE POINT P	216.0	<0.01		0.2		0.2	0.2	
SLAVE POINT Q	188.0	0.15		28.2		28.2	3.3	24.9
SLAVE POINT R	289.0	<0.01		2.0		2.0	2.0	
SLAVE POINT S	184.0	0.15		27.6		27.6	19.2	8.4
SLAVE POINT T	134.0	0.25		33.5		33.5	3.5	30.0
GILWOOD A	1 015.0	0.20		203.0		203.0	168.7	34.3
GILWOOD B	202.0	0.30		60.6		60.6	45.9	14.7
GILWOOD D	191.0	0.20		38.2		38.2	34.7	3.5
GILWOOD H	181.0	0.15		27.2		27.2	9.5	17.7
GILWOOD I	710.0	0.25		178.0		178.0	97.1	80.9
GILWOOD J	238.0	0.25		59.5		59.5	48.2	11.3
GILWOOD K	292.0	0.10		29.2		29.2	9.7	19.5
GILWOOD L	247.0	0.30		74.1		74.1	52.5	21.6
GILWOOD O	243.0	0.28		68.0		68.0	47.9	20.1
GILWOOD P	132.0	0.20		26.4		26.4	8.1	18.3
GILWOOD R	131.0	0.25		32.8		32.8	22.0	10.8
GILWOOD S	13.0	<0.15		1.9		1.9	1.9	
GILWOOD T	42.4	<0.07		2.6		2.6	2.6	
GILWOOD W	152.0	0.25		38.0		38.0	26.5	11.5
GILWOOD X	70.3	0.25		17.6		17.6	5.8	11.8
GILWOOD Y	55.5	0.20		11.1		11.1	7.3	3.8
GILWOOD Z	35.1	0.20		7.0		7.0	1.1	5.9
GILWOOD AA	32.5	0.10		3.3		3.3		3.3
GILWOOD BB	22.0	0.25		5.5		5.5	4.2	1.3
GILWOOD V &	102.0	0.13		13.5		13.5	10.4	3.1
GRANITE WASH K								
GILWOOD G &	200.0	0.25		50.0		50.0	40.7	9.3
GRANITE WASH H								
KEG RIVER A &	5 330.0	0.35		1 866.0		1 866.0	1 048.4	817.6
GRANITE WASH N								
KEG RIVER B &	5 308.0	0.25		1 327.0		1 327.0	725.9	601.1
GRANITE WASH P								
GRANITE WASH G	100.0	0.20		20.0		20.0	12.0	8.0
GRANITE WASH I	75.6	0.15		11.3		11.3	8.4	2.9
GRANITE WASH L	207.0	0.25		51.8		51.8	35.3	16.5
GRANITE WASH M	35.0	<0.14		4.8		4.8	4.8	
GRANITE WASH R	296.0	0.25		74.0		74.0	22.5	51.5
GRANITE WASH S	104.0	0.15		15.6		15.6	3.9	11.7
GRANITE WASH T	126.0	0.15		18.9		18.9	1.9	17.0
GRANITE WASH U	58.3	0.20		11.7		11.7	1.7	10.0
FIELD TOTAL	22 997.7			4 980.1		4 980.1	2 921.7	2 058.4
EWING LAKE 037-21W4								
D-2 C	543.0	0.35		190.0		190.0	163.5	26.5
D-2 D	2 037.0	0.35		713.0		713.0	587.0	126.0
D-2 E	121.0	<0.02		1.3		1.3	1.3	
D-2 F	246.0	0.10		24.6		24.6	3.2	21.4
D-3 A	516.0	0.55		284.0		284.0	278.4	5.6
D-3 B	252.0	0.20		50.4		50.4	23.4	27.0
FIELD TOTAL	3 715.0			1 263.3		1 263.3	1 056.8	206.5
EXCELSIOR 056-24W4								
MANNVILLE A	1 800.0	0.05		90.0		90.0	0.7	89.3
MANNVILLE D	294.0	0.20		58.8		58.8	6.3	52.5
MANNVILLE E	395.0	0.15		59.2		59.2	7.7	51.5
MANNVILLE F	617.0	0.15		92.6		92.6	17.9	74.7
MANNVILLE H	49.5	0.20		9.9		9.9	3.6	6.3
D-2	6 800.0	0.66		4 488.0		4 488.0	4 387.2	100.8
FIELD TOTAL	9 955.5			4 798.5		4 798.5	4 423.4	375.1

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
192	9.70	0.080	0.19	0.87	40	842	36	16 422	1 553.3	1982	91 12 - GPP
64	6.00	0.060	0.27	0.91	32	833	38	16 793	1 545.0	1982	83 03 - ABAND 89 06
448	8.58	0.063	0.36	0.91	34	828	47	15 571	1 507.4	1980	87 12 - GPP
64	13.60	0.039	0.40	0.91	42	827	66	15 558	1 507.3	1981	91 03 - GPP
64	5.40	0.040	0.50	0.91	33	835	38	15 404	1 508.0	1983	84 01 - GPP
141	6.82	0.078	0.41	0.90	33	794	40	14 997	1 483.1	1983	89 12 - GPP
32	7.50	0.056	0.40	0.90	33	832	40	15 117	1 472.8	1984	91 02 - GPP
64	6.80	0.080	0.31	0.90	33	840	40	15 099	1 471.2	1986	89 12 - ABAND 91 03
64	3.80	0.100	0.15	0.91	32	838	37	16 022	1 545.9	1984	87 04 - GPP
64	6.00	0.120	0.31	0.91	35	841	37	16 331	1 553.0	1983	88 12 - ABAND 91 11
32	8.50	0.100	0.23	0.88	44	840	39	16 026	1 542.8	1984	90 12 - GPP
64	4.30	0.080	0.31	0.88	109	827	62	14 356	1 528.1	1991	92 01 - GPP
192	4.49	0.207	0.28	0.79	45	820	49	16 745	1 590.2	1980	88 10 - GPP
64	4.20	0.150	0.39	0.82	45	820	49	16 291	1 600.7	1982	89 12 - GPP
192	1.27	0.147	0.35	0.82	66	833	41	16 333	1 645.2	1981	88 10 - GPP
64	1.80	0.240	0.20	0.82	45	833	49	16 754	1 593.9	1981	88 10 - GPP
128	4.98	0.186	0.27	0.82	45	825	49	16 582	1 585.3	1979	88 10 - GPP
64	3.00	0.170	0.17	0.88	62	835	43	16 317	1 575.7	1981	87 05 - GPP
64	3.50	0.215	0.27	0.83	62	835	43	16 333	1 568.0	1981	84 12 - GPP
128	2.61	0.120	0.30	0.88	36	833	42	15 410	1 515.2	1982	92 12 - GPP
192	1.74	0.120	0.31	0.88	36	846	42	16 365	1 578.0	1981	92 12 - GPP
64	2.00	0.180	0.30	0.82	45	833	49	16 439	1 688.0	1982	88 10 - GPP
128	1.66	0.100	0.30	0.88	36	854	42	13 115	1 606.5	1982	90 12 -
64	0.82	0.040	0.30	0.88	44	854	39	15 376	1 613.0	1982	85 12 - ABAND 88 03
64	1.34	0.076	0.26	0.88	36	845	42	14 804	1 630.5	1982	92 10 -
64	2.82	0.160	0.40	0.88	62	840	45	15 531	1 578.0	1982	89 12 - GPP
64	1.20	0.160	0.35	0.88	36	815	42	15 693	1 589.1	1989	90 05 -
64	1.08	0.160	0.43	0.88	36	846	42	14 843	1 561.2	1989	90 07 -
64	0.80	0.130	0.40	0.88	36	846	42	15 019	1 589.8	1990	90 09 - GPP
64	0.70	0.150	0.45	0.88	36	846	42	15 576	1 576.7	1990	90 12 - GPP
64	0.86	0.070	0.35	0.88	36	846	42	14 863	1 586.5	1989	91 12 -
64	1.92	0.150	0.38	0.89	34	845	43	16 155	1 602.0	1982	88 04 -
64	4.50	0.150	0.48	0.89	44	835	44	16 451	1 584.6	1982	91 08 - GPP
842	5.17	0.196	0.29	0.88	53	824	38	16 055	1 496.4	1985	91 04 -
448	9.84	0.194	0.27	0.85	50	828	36	15 885	1 491.9	1985	87 12 - GPP
103	2.20	0.100	0.51	0.90	33	833	43	16 464	1 597.4	1982	88 12 - GPP
16	4.00	0.175	0.25	0.90	34	845	43	16 704	1 608.1	1982	88 12 - GPP
64	4.08	0.160	0.45	0.90	34	845	43	16 940	1 608.3	1982	92 12 - GPP
25	2.00	0.150	0.48	0.90	64	844	43	16 430	1 612.8	1983	85 05 - ABAND 89 08
64	5.10	0.170	0.40	0.89	49	845	38	16 200	1 623.4	1989	90 03 -
32	4.65	0.130	0.40	0.90	34	845	43	16 687	1 610.4	1990	91 12 - GPP
32	5.80	0.150	0.50	0.90	34	845	43	16 105	1 616.6	1990	91 11 - GPP
16	5.00	0.150	0.46	0.90	34	844	43	15 594	1 610.7	1991	91 07 - GPP
460	2.56	0.067	0.16	0.82	66	855	66	12 480	1 637.7	1960	89 12 - GPP
172	3.74	0.070	0.17	0.80	66	876	66	12 550	2 292.7	1953	89 12 - GPP
64	5.90	0.080	0.50	0.80	66	876	66	12 605	1 636.1	1981	87 12 - GPP
64	5.20	0.100	0.10	0.82	65	873	64	11 843	1 631.6	1986	87 05 - GPP
322	4.18	0.057	0.18	0.82	69	870	60	13 100	1 670.0	1953	79 12 - GPP
32	18.50	0.070	0.26	0.82	71	844	58	12 453	1 668.9	1980	84 10 - GPP
797	2.13	0.204	0.35	0.80	30	876	38	6 900	1 072.3	1951	92 09 - GPP
64	4.00	0.200	0.37	0.91	35	852	35	7 671	1 123.5	1950	92 02 -
64	5.00	0.200	0.35	0.95	12	852	46	7 807	1 124.0	1950	92 02 -
128	3.90	0.200	0.35	0.95	20	859	32	7 655	1 122.6	1951	92 04 -
16	2.40	0.210	0.34	0.93	28	859	32	1 121.0	1 121.0	1950	92 10 -
565	25.14	0.064	0.15	0.88	39	844	48	8 650	1 182.3	1949	92 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
EXPANSE 088-04W6 GILWOOD A	474.0	<0.02		6.0		6.0	5.6	0.4
FIELD TOTAL	474.0			6.0		6.0	5.6	0.4
FAIRYDELL-BON ACCORD 057-24W4								
UPPER VIKING B	234.0	<0.09		20.0		20.0	20.0	
MIDDLE VIKING C	36.9	<0.10		3.4		3.4	3.4	
BASAL MANNVILLE A	287.0	0.05		14.4		14.4	2.4	12.0
BASAL MANNVILLE C	2 756.0	0.05		138.0		138.0	106.3	31.7
BASAL MANNVILLE H	350.0	<0.01		0.5		0.5	0.5	
BASAL MANNVILLE J	128.0	<0.01		0.8		0.8	0.8	
D-2 A	1 030.0	<0.13		124.6		124.6	124.6	
D-2 B	671.0	0.45		302.0		302.0	299.7	2.3
D-3 A	2 769.0	0.72		1 994.0		1 994.0	1 874.3	119.7
D-3 B	210.0	0.05		10.5		10.5	4.0	6.5
FIELD TOTAL	8 471.9			2 608.2		2 608.2	2 436.0	172.2
FARRELL 034-16W4 LOWER MANNVILLE A	104.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	104.0			0.1		0.1	0.1	
FARROW 020-24W4								
BOW ISLAND A	95.6	0.05		4.8		4.8	0.7	4.1
GLAUCONITIC A	64.8	0.10		6.5		6.5	2.3	4.2
OSTRACOD A	40.6	0.10		4.1		4.1	0.3	3.8
BASAL QUARTZ B	405.0	0.10		40.5		40.5	25.2	15.3
BASAL QUARTZ E	135.0	<0.03		2.9		2.9	1.1	1.8
BASAL QUARTZ F	230.0	0.10		23.0		23.0	2.6	20.4
BASAL QUARTZ G	132.0	0.07		9.2		9.2	7.5	1.7
BASAL QUARTZ I	80.9	0.10		8.1		8.1	4.0	4.1
BASAL QUARTZ J	135.0	0.10		13.5		13.5	0.1	13.4
BASAL QUARTZ L	224.0	0.03		6.7		6.7	0.1	6.6
SAWTOOTH A	97.5	<0.01		0.1		0.1	0.1	
FIELD TOTAL	1 640.4			119.4		119.4	44.0	75.4
FENN WEST 036-20W4								
BANFF A	11.8	<0.17		1.9		1.9	1.9	
D-2 A	2 892.0	0.60		1 735.0		1 735.0	1 569.3	165.7
D-2 B	154.0	<0.03		3.1		3.1	3.1	
D-2 C	690.0	0.15		104.0		104.0	53.5	50.5
D-2 D	374.0	0.15		56.1		56.1	34.0	22.1
D-2 E	400.0	0.40		160.0		160.0	87.2	72.8
D-3 A	559.0	0.10		55.9		55.9	41.3	14.6
D-3 B	154.0	0.05		7.7		7.7	4.8	2.9
D-3 C	375.0	0.32		120.0		120.0	110.0	10.0
D-3 D	79.7	<0.01		0.1		0.1	0.1	
D-3 E	1 484.0	0.45		668.0		668.0	485.8	182.2
D-3 F	171.0	0.20		34.2		34.2	18.7	15.5
D-3 G	987.0	<0.02		13.9		13.9	13.9	
FIELD TOTAL	8 331.5			2 959.9		2 959.9	2 423.6	536.3
FENN-BIG VALLEY 035-20W4								
VIKING D	185.0	0.05		9.3		9.3	0.8	8.5
BLAIRMORE B	357.0	<0.01		2.3		2.3	2.3	
UPPER MANNVILLE A	168.0	0.10		16.8		16.8	6.2	10.6
UPPER MANNVILLE K	759.0	0.05		38.0		38.0	4.3	33.7
UPPER MANNVILLE L	347.0	0.05		17.4		17.4	1.4	16.0
UPPER MANNVILLE O	231.0	0.05		11.6		11.6	0.8	10.8
D-2 A TOTAL	80 000.0			48 710.0	302.0	49 010.0	48 208.2	801.8
PRIMARY AREA	74 200.0	0.62		46 000.0		46 000.0		
SOLVENT FLOOD AREA	5 803.0	<0.47	0.05	2 714.0	302.0	3 016.0		
D-2 B	99.5	<0.02		1.1		1.1	1.1	
D-2 C	374.0	0.25		93.5		93.5	85.4	8.1
D-2 D TOTAL	1 600.0			248.0	90.0	338.0	306.9	31.1
PRIMARY AREA	600.0	0.18		108.0		108.0		
WATER FLOOD AREA	1 000.0	0.14	0.09	140.0	90.0	230.0		

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	9.80	0.140	0.35	0.83	57	845	73	22 994	2 454.8	1982	90 12 - GPP
100	1.83	0.200	0.20	0.80	43	860	38	5 464	836.4	1953	89 12 - GPP
64	0.90	0.200	0.60	0.80	43	860	38	5 500	843.0	1953	85 09 - ABAND 58 10
32	5.80	0.240	0.30	0.92	40	909	38	6 605	1 049.6	1951	84 04 - GPP
274	6.70	0.220	0.25	0.91	35	887	42	7 250	1 066.2	1965	89 11 - GPP
32	6.00	0.260	0.22	0.90	40	900	32	7 221	1 066.8	1976	85 07 - ABAND 91 05
16	7.50	0.180	0.35	0.91	40	900	32	5 612	1 055.0	1979	92 11 - GPP
306	5.18	0.083	0.15	0.92	27	870	42	7 760	1 093.6	1949	64 04
214	7.19	0.057	0.17	0.92	27	870	41	8 170	1 148.2	1953	68 02 - GPP
405	13.73	0.063	0.15	0.93	33	898	47	9 100	1 226.5	1953	85 05 - GPP
16	13.70	0.110	0.10	0.97	20	990	38	9 087	1 198.7	1987	88 06 - GPP
64	2.40	0.130	0.40	0.87	42	890	70	8 726	1 220.8	1976	82 09 - ABAND 88 07
64	3.00	0.120	0.50	0.83	62	854	43	7 848	1 437.2	1987	88 01 - GPP
64	1.50	0.140	0.39	0.79	98	813	42	12 856	1 777.8	1988	89 06 - GPP
64	0.90	0.130	0.37	0.86	64	851	41	13 982	1 849.1	1988	88 07 - GPP
266	1.94	0.150	0.37	0.83	60	867	59	13 734	1 759.2	1964	91 11
64	3.00	0.170	0.50	0.83	83	838	45	14 694	1 830.0	1988	88 08 - GPP
64	4.90	0.130	0.32	0.83	83	839	45	14 305	1 744.3	1988	88 11 - GPP
64	1.52	0.200	0.15	0.80	80	834	54	14 653	1 700.3	1970	89 10 - GPP
64	1.40	0.170	0.36	0.83	83	839	45	13 824	1 776.5	1990	91 03 - GPP
32	4.80	0.160	0.34	0.83	83	839	45	14 551	1 777.9	1990	91 03
64	3.90	0.180	0.40	0.83	60	867	59	13 943	1 735.2	1987	91 11
64	3.40	0.120	0.55	0.83	68	867	42	14 978	1 857.1	1987	92 10
5	7.93	0.070	0.50	0.85	71	855	44	7 660	1 422.2	1977	79 10 - ABAND 81 02
1 307	6.23	0.060	0.26	0.80	81	860	61	12 410	1 699.9	1961	91 12 - GPP
64	5.00	0.090	0.35	0.82	20	866	33	11 901	1 633.5	1980	80 09 - ABAND 82 06
128	12.19	0.070	0.22	0.81	73	846	62	12 300	1 725.2	1982	86 12
64	12.90	0.070	0.21	0.82	70	847	63	12 435	1 743.4	1982	89 01 - GPP
85	12.40	0.058	0.22	0.84	73	865	62	12 483	1 730.6	1983	84 08
64	15.50	0.080	0.20	0.88	35	849	55	12 891	1 783.2	1982	86 12 - GPP
64	7.26	0.048	0.15	0.81	89	858	58	12 620	1 754.6	1982	86 12 - GPP
14	40.88	0.091	0.10	0.80	67	860	61	13 094	1 820.6	1982	92 08 - GPP
64	5.00	0.040	0.25	0.83	67	893	60	10 052	1 804.8	1982	83 03 - ABAND 83 08
56	55.13	0.069	0.14	0.81	76	848	65	13 111	1 794.7	1983	87 01 - GPP
20	21.60	0.062	0.21	0.81	76	861	67	12 895	1 801.8	1984	89 12 - GPP
64	24.00	0.103	0.23	0.81	75	860	65	12 512	1 793.7	1985	85 11 - ABAND 88 08
64	3.50	0.170	0.40	0.81	70	857	60	6 405	1 195.6	1954	87 12 - GPP
64	5.10	0.200	0.25	0.73	90	846	47	8 906	1 292.6	1952	84 12 - ABAND 90 09
64	2.00	0.230	0.32	0.84	53	890	39	7 995	1 200.0	1984	86 05 - GPP
64	15.51	0.150	0.44	0.91	33	869	39	8 386	1 194.7	1991	91 11
64	6.10	0.160	0.39	0.91	33	869	39	9 197	1 198.4	1991	91 11
32	8.60	0.210	0.56	0.91	33	870	39	8 529	1 199.8	1991	92 12 - GPP
5 994					77	865	58	12 480	1 612.1	1950	90 12 - GPP
4 971	17.06	0.120	0.10	0.81							
1 023	9.93	0.082	0.14	0.81							
64	4.63	0.060	0.30	0.80	78	855	52	12 920	1 628.7	1976	78 04
16	18.90	0.170	0.10	0.81	81	860	61	12 395	1 699.9	1956	92 12 - GPP
280	6.68	0.110	0.15	0.80	63	876	62	11 960	1 605.4	1951	91 12 - GPP
120											
160	8.36	0.110	0.15	0.80							

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
		frac	frac	103m3	103m3	103m3		
FENN-BIG VALLEY								
035-20W4 (CONTINUED)								
D-2 E	132.0	0.18		23.8		23.8	9.3	14.5
D-3 A	642.0	0.75		482.0		482.0	453.2	28.8
D-3 B	261.0	0.45		117.0		117.0	99.2	17.8
D-3 C	110.0	0.40		44.0		44.0	40.7	3.3
D-3 E	329.0	0.17		55.9		55.9	48.6	7.3
D-3 F	3 000.0	0.75		2 250.0		2 250.0	2 099.5	150.5
D-3 G	260.0	0.20		52.0		52.0	26.9	25.1
D-3 H	47.7	<0.02		0.7		0.7	0.7	
D-3 I	407.0	0.65		265.0		265.0	247.7	17.3
FIELD TOTAL	89 309.2			52 438.4	392.0	52 828.4	51 643.2	1 185.2
FERRIER 040-08W5								
BELLY RIVER A	4 885.0	<0.17		800.0		800.0	460.7	339.3
BELLY RIVER C	358.0	0.10		35.8		35.8	20.6	15.2
BELLY RIVER E	234.0	<0.01		0.5		0.5	0.5	
BELLY RIVER F	95.6	<0.01		0.7		0.7	0.7	
BELLY RIVER H	36.6	<0.01		0.2		0.2	0.2	
BELLY RIVER I	51.1	<0.01		0.1		0.1	0.1	
CARDIUM C	248.0	0.05		12.4		12.4	7.0	5.4
CARDIUM F	94.9	0.10		9.5		9.5	0.8	8.7
CARDIUM R	40.6	<0.05		1.8		1.8	1.8	
CARDIUM U	182.0	0.10		18.2		18.2	7.7	10.5
CARDIUM X	185.0	<0.01		0.4		0.4	0.4	
CARDIUM BB	140.0	<0.01		0.2		0.2	0.2	
CARDIUM GG	31.5	<0.01		0.1		0.1	0.1	
CARDIUM LL	167.0	0.05		8.4		8.4	3.6	4.8
CARDIUM G & L TOTAL	93 710.0			4 206.0	7 993.0	12 200.0	7 797.1	4 402.9
PRIMARY AREA	27 100.0	0.03		813.0		813.0		
WATER FLOOD AREA	66 610.0	<0.06	0.12	3 393.0	7 993.0	11 390.0		
CARDIUM B.N & VIKING A	2 880.0	0.13		374.0		374.0	344.7	29.3
VIKING C	76.8	<0.13		9.5		9.5	9.5	
VIKING D	65.9	0.10		6.6		6.6	4.6	2.0
VIKING E	61.3	<0.05		3.0		3.0	3.0	
VIKING F	60.0	0.15		9.0		9.0	7.2	1.8
VIKING G	400.0	0.10		40.0		40.0	27.3	12.7
VIKING H	25.4	0.15		3.8		3.8	0.3	3.5
ELLERSLIE C	311.0	0.10		31.1		31.1	20.4	10.7
ROCK CREEK B	107.0	<0.01		0.2		0.2	0.2	
SHUNDA A	132.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	104 578.7			5 571.9	7 993.0	13 565.9	8 719.1	4 846.8
FERRYBANK 044-27W4								
BELLY RIVER I	396.0	0.05		19.8		19.8	2.2	17.6
BELLY RIVER C.G & H TOTAL	22 400.0			2 240.0	470.0	2 710.0	832.4	1 877.6
PRIMARY AREA	13 000.0	0.10		1 300.0		1 300.0		
WATER FLOOD AREA	9 402.0	0.10	0.05	940.0	470.0	1 410.0		
GLAUCONITIC C	396.0	<0.01		0.5		0.5	0.5	
LOWER MANNVILLE G	226.0	<0.02		4.2		4.2	4.2	
LOWER MANNVILLE I	155.1	0.05		7.8		7.8	6.5	1.3
LOWER MANNVILLE M	326.0	<0.01		1.4		1.4	1.4	
BANFF C	285.0	0.05		14.3		14.3	0.7	13.6
BANFF D	91.6	0.10		9.2		9.2	4.4	4.8
FIELD TOTAL	24 275.7			2 297.2	470.0	2 767.2	852.3	1 914.9
FIR 059-21W5								
CARDIUM A	135.0	0.10		13.5		13.5	6.6	6.9
CARDIUM B	94.6	0.10		9.5		9.5	4.3	5.2
CARDIUM D	127.0	0.10		12.7		12.7	6.8	5.9
FIELD TOTAL	356.6			35.7		35.7	17.7	18.0
FIRE 113-07W6								
SULPHUR POINT C	441.0	0.20		88.2		88.2	9.2	79.0
MUSKEG A	278.0	0.15		41.7		41.7		41.7
KEG RIVER A	256.0	<0.05		11.8		11.8	11.7	0.1
KEG RIVER B	134.0	<0.01		0.3		0.3	0.3	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
32	5.09	0.145	0.31	0.81	65	882	63	11 926	1 601.2	1963	85 08 - GPP
369	4.42	0.060	0.20	0.82	76	849	58	12 820	1 637.7	1950	86 12 - GPP
119	3.81	0.085	0.15	0.80	80	876	59	12 510	1 644.1	1954	65 02 - GPP
101	2.44	0.067	0.18	0.81	73	892	60	12 410	1 645.3	1952	87 05 - GPP
182	3.05	0.085	0.15	0.82	73	865	58	12 760	1 620.3	1952	81 12 - GPP
626	6.64	0.100	0.12	0.82	73	898	61	12 690	1 651.7	1954	84 11 - GPP
128	3.40	0.090	0.17	0.80	73	904	41	12 560	1 584.7	1952	88 09 - GPP
16	3.10	0.120	0.12	0.91	38	960	57	11 725	1 646.5	1983	92 10
175	3.93	0.084	0.12	0.80	75	904	60	12 760	1 653.8	1952	84 12 - GPP
1 777	4.60	0.120	0.40	0.83	62	820	59	9 476	1 713.3	1966	88 07
65	7.32	0.130	0.30	0.83	66	829	54	8 430	1 627.0	1974	76 01 - GPP
16	12.00	0.210	0.30	0.83	70	898	50	9 866	1 715.5	1980	92 11 - GPP
64	3.00	0.120	0.50	0.83	54	830	57	8 965	1 615.8	1982	83 04
64	1.13	0.111	0.45	0.83	61	834	55	9 300	1 703.2	1984	89 12
64	1.64	0.100	0.42	0.84	54	818	57	11 261	1 961.9	1988	92 06 - ABAND 90 12
434	0.87	0.120	0.27	0.75	166	806	71	23 170	2 200.2	1961	89 09 - GPP
65	1.52	0.140	0.12	0.78	133	834	52	21 130	2 008.6	1955	88 07 - GPP
64	1.50	0.080	0.20	0.66	209	817	74	23 240	2 318.0	1976	83 12
64	5.52	0.096	0.20	0.67	218	824	71	24 764	2 283.4	1976	81 02 - GPP
64	4.40	0.123	0.15	0.63	175	824	75	21 239	2 204.6	1980	83 12
64	2.95	0.140	0.20	0.66	150	813	70	20 153	2 303.7	1976	82 05 - ABAND 91 12
16	2.40	0.140	0.15	0.69	180	806	70	21 760	2 199.0	1980	92 10 - ABAND 92 08
64	2.74	0.170	0.15	0.66	160	811	66	21 830	2 205.0	1976	89 11 - GPP
34 090					190	806	70	21 600	2 145.6	1961	92 04 - GPP
13 912	2.91	0.125	0.15	0.63							
20 178	4.67	0.132	0.15	0.63							
6 066	1.50	0.078	0.30	0.58	273	811	78	28 750	2 499.1	1955	92 11 - GPP
64	2.50	0.100	0.20	0.60	190	825	73	26 204	2 461.8	1979	91 09 - ABAND 90 02
64	3.00	0.075	0.25	0.61	217	823	81	26 080	2 377.9	1982	89 12 - GPP
64	2.00	0.090	0.25	0.71	134	836	93	25 610	2 502.0	1979	89 12
125	1.00	0.090	0.25	0.71	140	815	84	28 100	2 483.7	1985	87 05 - GPP
200	4.19	0.101	0.25	0.63	243	825	77	25 076	2 374.5	1988	89 07 - GPP
64	0.80	0.100	0.30	0.71	134	837	93	24 612	2 337.6	1989	89 12
64	7.15	0.130	0.13	0.60	190	797	84	23 806	2 667.5	1979	86 09
64	3.50	0.085	0.24	0.74	120	828	70	22 110	2 563.9	1982	83 04
65	5.18	0.083	0.25	0.63	195	815	81	22 510	2 602.7	1965	67 04 - ABAND 67 11
64	5.20	0.190	0.32	0.92	30	850	36	5 878	940.2	1988	89 06 - GPP
5 719					28	850	38	5 736	976.3	1970	91 10
3 608	4.40	0.180	0.50	0.91							
2 111	5.32	0.184	0.50	0.91							
64	5.30	0.180	0.19	0.80	88	860	30	13 100	1 734.9	1984	85 11
64	4.00	0.160	0.31	0.80	82	860	60	10 430	1 705.0	1978	79 10 - ABAND 88 08
53	2.50	0.190	0.23	0.80	76	894	57	12 454	1 682.0	1981	86 07 - GPP
128	4.24	0.120	0.35	0.77	95	820	66	13 604	1 741.8	1984	85 10
32	11.40	0.150	0.35	0.80	45	905	55	11 013	1 725.0	1985	85 06 - GPP
32	6.31	0.090	0.37	0.80	55	905	64	11 005	1 757.1	1985	91 12 - GPP
64	3.70	0.100	0.25	0.76	107	850	56	20 602	1 854.7	1977	81 02 - GPP
64	2.60	0.110	0.32	0.76	105	836	60	20 799	1 895.3	1980	86 01 - GPP
64	2.18	0.150	0.20	0.76	170	841	72	20 592	1 735.5	1989	92 12 - GPP
64	11.30	0.090	0.12	0.77	90	843	72	14 179	1 457.3	1969	92 07
64	13.40	0.060	0.26	0.73	105	869	87	15 380	1 528.4	1966	92 09
22	61.70	0.035	0.30	0.77	95	844	77	15 540	1 546.9	1969	88 12 - GPP
20	36.58	0.034	0.30	0.77	95	849	77	15 420	1 539.5	1970	71 12 - ABAND 71 10

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
		frac	frac	103m3	103m3	103m3		
FIRE 113-07W6 (CONTINUED)								
KEG RIVER C	223.0	0.20		44.6		44.6	20.7	23.9
KEG RIVER D	150.0	0.25		37.5		37.5	3.4	34.1
KEG RIVER E	354.0	0.35		124.0		124.0	32.9	91.1
KEG RIVER F	185.0	0.25		46.3		46.3	9.5	36.8
KEG RIVER G	120.0	0.25		30.0		30.0	4.2	25.8
KEG RIVER H	90.1	0.35		31.5		31.5	3.4	28.1
FIELD TOTAL	2 231.1			455.9		455.9	95.3	360.6
FOLEY LAKE 066-06W5 VIKING A	197.0	0.05		9.9		9.9	2.6	7.3
FIELD TOTAL	197.0			9.9		9.9	2.6	7.3
FOURTH 082-09W6 HALFWAY A	712.0	0.05		35.6		35.6	11.1	24.5
FIELD TOTAL	712.0			35.6		35.6	11.1	24.5
FOX CREEK 062-18W5								
GETHING B	2 974.0	0.05		149.0		149.0	65.3	83.7
GETHING D & H	516.0	0.10		51.6		51.6	9.8	41.8
BEAVERHILL LAKE A WATER FLOOD	1 700.0	0.15	0.30	255.0	510.0	765.0	593.5	171.5
BEAVERHILL LAKE B	42.5	0.20		8.5		8.5	0.8	7.7
FIELD TOTAL	5 232.5			464.1	510.0	974.1	669.4	304.7
GALAHAD 041-15W4								
ELLERSLIE A	158.0	0.05		7.9		7.9	2.9	5.0
ELLERSLIE E	188.0	0.05		9.4		9.4	4.9	4.5
ELLERSLIE F	185.0	0.20		37.0		37.0	18.8	18.2
ELLERSLIE G	61.3	0.20		12.3		12.3	5.3	7.0
CAMROSE A	252.0	0.15		37.8		37.8	22.0	15.8
CAMROSE B	472.0	0.15		70.8		70.8	24.5	46.3
FIELD TOTAL	1 316.3			175.2		175.2	78.4	96.8
GARDEN PLAINS 032-13W4								
UPPER MANNVILLE C	520.0	0.05		26.0		26.0	1.5	24.5
UPPER MANNVILLE H	123.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE K	247.0	0.03		7.4		7.4	1.8	5.6
LOWER MANNVILLE C	51.9	<0.01		0.1		0.1	0.1	
FIELD TOTAL	941.9			33.7		33.7	3.6	30.1
GARRINGTON 034-04W5								
CARDIUM F	141.0	<0.01		0.1		0.1	0.1	
CARDIUM G	114.0	<0.01		1.0		1.0	1.0	
CARDIUM H	23.8	<0.02		0.3		0.3	0.3	
CARDIUM I	197.0	0.10		19.7		19.7	6.3	13.4
CARDIUM L	95.7	<0.02		1.7		1.7	1.7	
CARDIUM M	1 388.0	0.10		139.0		139.0	83.6	55.4
CARDIUM N	398.0	0.15		59.7		59.7	40.4	19.3
CARDIUM O	133.0	0.05		6.7		6.7	2.2	4.5
CARDIUM P	272.0	0.05		13.6		13.6	1.7	11.9
CARDIUM Q	104.0	0.20		20.8		20.8	18.1	2.7
CARDIUM R	43.2	<0.01		0.1		0.1	0.1	
CARDIUM T	117.0	0.05		5.9		5.9	0.7	5.2
CARDIUM U	32.6	0.10		3.3		3.3	1.8	1.5
CARDIUM V	100.0	0.10		10.0		10.0	1.0	9.0
CARDIUM A & B TOTAL	31 620.0			1 580.0	1 820.0	3 400.0	3 034.0	366.0
PRIMARY AREA	11 400.0	0.05		570.0		570.0		
WATER FLOOD AREA	20 220.0	0.05	0.09	1 010.0	1 820.0	2 830.0		
SECOND WHITE SPECKS A	87.5	<0.03		2.1		2.1	2.1	
SECOND WHITE SPECKS B	163.0	0.15		24.5		24.5	16.3	8.2
SECOND WHITE SPECKS C	106.0	<0.02		1.3		1.3	1.3	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
17	53.16	0.040	0.20	0.77	95	844	77	15 090	1 533.8	1969	82 12 - GPP
20	48.34	0.031	0.35	0.77	86	875	68	15 163	1 524.3	1986	86 08 - GPP
16	83.90	0.045	0.24	0.77	95	857	77	15 495	1 600.5	1987	90 12 - GPP
41	43.94	0.020	0.35	0.79	74	844	74	7 872	1 534.0	1986	88 03 - GPP
22	29.90	0.034	0.27	0.73	115	851	67	15 230	1 518.2	1970	87 05 - GPP
16	32.50	0.030	0.25	0.77	99	843	77	14 769	1 524.8	1987	90 09 - GPP
64	3.05	0.170	0.30	0.85	58	880	32	6 901	889.0	1973	92 06 - GPP
256	4.67	0.108	0.31	0.80	79	844	50	11 716	1 298.0	1979	89 12
745	5.11	0.150	0.38	0.84	64	882	59	14 642	1 919.1	1977	89 10
128	5.20	0.170	0.43	0.80	76	893	61	14 774	1 901.5	1959	88 07 - GPP
1 200	5.40	0.082	0.20	0.40	530	795	110	28 730	3 086.7	1975	92 10
64	4.11	0.056	0.24	0.38	508	801	110	28 893	3 089.6	1976	87 01
32	3.23	0.240	0.25	0.85	60	887	40	8 155	1 057.3	1983	92 06 - GPP
64	2.80	0.190	0.40	0.92	18	886	29	7 332	1 097.9	1988	89 05 - GPP
28	4.39	0.220	0.28	0.95	16	908	34	6 981	1 040.8	1989	91 02 - GPP
32	1.80	0.180	0.35	0.91	37	899	35	7 288	1 033.6	1990	90 09 - GPP
64	4.75	0.140	0.26	0.80	80	929	51	8 665	1 169.4	1983	89 05 - GPP
64	10.00	0.100	0.18	0.90	34	898	48	8 655	1 198.5	1989	90 01
64	8.00	0.230	0.48	0.85	64	845	38	9 195	1 122.6	1988	89 10
64	2.80	0.180	0.55	0.85	56	862	38	8 417	1 066.6	1982	88 12 - ABAND 87 08
64	3.50	0.200	0.40	0.92	31	867	34	10 985	1 067.3	1981	89 12
64	0.80	0.180	0.36	0.88	52	863	42	8 599	1 128.9	1987	90 11 - ABAND 88 04
64	2.70	0.120	0.15	0.80	68	820	75	20 200	1 852.9	1981	82 05 - ABAND 82 03
64	3.00	0.100	0.25	0.79	90	820	60	20 300	1 846.9	1981	82 06 - ABAND 84 05
128	0.56	0.060	0.30	0.79	85	828	60	22 961	1 837.4	1982	83 03 - ABAND 84 05
128	2.83	0.080	0.15	0.80	89	823	59	23 123	1 863.5	1982	84 09 - GPP
64	2.00	0.110	0.15	0.80	89	822	59	23 183	1 832.3	1983	89 12 - ABAND 90 06
1 444	1.68	0.110	0.35	0.80	48	843	67	15 616	1 880.0	1960	88 12 - GPP
424	1.27	0.120	0.23	0.80	96	843	68	22 238	1 887.0	1976	90 07 - GPP
64	3.10	0.100	0.15	0.79	88	819	60	20 131	1 945.8	1984	89 12 - GPP
128	4.30	0.120	0.45	0.75	96	845	68	14 658	2 027.0	1985	89 12 - GPP
104	1.46	0.104	0.13	0.76	108	840	64	24 038	2 185.0	1962	88 12 - GPP
64	1.20	0.100	0.25	0.75	106	825	63	22 390	1 908.4	1983	92 10
64	2.60	0.110	0.20	0.80	85	817	59	18 690	1 810.5	1980	88 06 - GPP
64	1.00	0.075	0.15	0.80	85	817	59	18 763	1 829.7	1985	90 03 - GPP
64	2.30	0.100	0.15	0.80	85	817	59	23 832	2 197.6	1985	92 04
15 434					109	829	64	24 550	2 022.0	1954	92 12
5 521	3.24	0.100	0.15	0.75							- GPP
9 913	3.20	0.100	0.15	0.75							- GPP
64	3.20	0.090	0.35	0.73	115	823	64	17 307	2 314.1	1981	89 12 - ABAND 89 12
64	8.70	0.050	0.20	0.73	110	815	70	24 698	2 202.7	1984	88 12 - GPP
16	13.00	0.100	0.30	0.73	110	819	67	23 031	2 105.5	1984	88 06 - ABAND 88 03

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
GARRINGTON 034-04W5 (CONTINUED)								
SECOND WHITE SPECKS D	94.2	<0.01		0.1		0.1	0.1	
SECOND WHITE SPECKS E	139.0	0.10		13.9		13.9	4.1	9.8
SECOND WHITE SPECKS F	81.9	0.12		9.8		9.8	8.0	1.8
SECOND WHITE SPECKS G	316.0	0.10		31.6		31.6	11.1	20.5
SECOND WHITE SPECKS H	115.0	0.10		11.5		11.5	2.5	9.0
SECOND WHITE SPECKS I	73.7	0.05		3.7		3.7	0.1	3.6
VIKING A	13 000.0	0.10		1 300.0		1 300.0	760.2	539.8
VIKING C	132.0	<0.03		2.7		2.7	2.7	
VIKING F	304.0	0.10		30.4		30.4	25.4	5.0
VIKING G	183.0	<0.02		2.1		2.1	2.1	
VIKING J	72.4	0.20		14.5		14.5	7.8	6.7
VIKING K	194.0	0.20		38.8		38.8	30.4	8.4
VIKING L	197.0	0.03		5.9		5.9	4.4	1.5
VIKING N	331.0	0.10		33.1		33.1	16.6	16.5
VIKING P	103.0	0.15		15.5		15.5	4.4	11.1
VIKING Q	860.0	0.12		103.0		103.0	81.1	21.9
VIKING S	58.1	<0.01		0.5		0.5	0.5	
VIKING Y	71.0	0.05		3.6		3.6	0.2	3.4
MANNVILLE B	9 718.0	<0.08		720.0		720.0	695.7	24.3
MANNVILLE D	3 400.0	0.07		238.0		238.0	215.7	22.3
MANNVILLE I	801.0	0.25		200.0		200.0	111.0	89.0
MANNVILLE L	15.5	0.10		1.6		1.6	0.8	0.8
MANNVILLE M	212.0	0.05		10.6		10.6	8.8	1.8
MANNVILLE O	221.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE A	83.3	<0.02		1.4		1.4	1.4	
LOWER MANNVILLE B	37.8	0.05		1.9		1.9	1.1	0.8
LOWER MANNVILLE D	83.6	<0.05		4.0		4.0	4.0	
LOWER MANNVILLE E	403.0	0.03		12.1		12.1	4.2	7.9
LOWER MANNVILLE I	257.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE J	130.0	0.10		13.0		13.0	5.5	7.5
LOWER MANNVILLE P	63.0	0.10		6.3		6.3	4.0	2.3
LOWER MANNVILLE S	163.0	<0.01		0.9		0.9	0.9	
LOWER MANNVILLE T	160.0	0.10		16.0		16.0	1.3	14.7
LOWER MANNVILLE U	69.6	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE Y	128.0	<0.02		2.1		2.1	2.1	
LOWER MANNVILLE Z	111.0	<0.04		3.7		3.7	3.7	
LOWER MANNVILLE KK	105.0	0.10		10.5		10.5	1.6	8.9
LOWER MANNVILLE MM	17.0	0.10		1.7		1.7	1.7	
LOWER MANNVILLE NN	28.7	0.05		1.4		1.4	0.6	0.8
LOWER MANNVILLE OO	47.8	0.05		2.4		2.4	0.4	2.0
LOWER MANNVILLE PP	71.7	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE UU	149.0	0.05		7.5		7.5	0.5	7.0
LOWER MANNVILLE VV	149.0	0.05		7.5		7.5	0.6	6.9
LOWER MANNVILLE WW	83.3	0.05		4.2		4.2	0.7	3.5
LOWER MANNVILLE XX	42.9	0.05		2.2		2.2	0.6	1.6
LOWER MANNVILLE	450.0	0.10		45.0		45.0	30.7	14.3
N & O								
LOWER MANNVILLE CC, DD & EE	240.0	0.10		24.0		24.0	5.4	18.6
LOWER MANNVILLE GG, HH & II	439.0	0.10		43.9		43.9	13.1	30.8
LOWER MANNVILLE O, CCC & NNN	752.0	0.03		22.5		22.5	11.1	11.4
LOWER MANNVILLE AAA	47.3	0.07		3.3		3.3	2.8	0.5
LOWER MANNVILLE BBB	104.0	0.05		5.2		5.2	0.8	4.4
LOWER MANNVILLE DDD	36.2	0.10		3.6		3.6	0.8	2.8
LOWER MANNVILLE EEE	59.5	0.10		6.0		6.0	0.7	5.3
LOWER MANNVILLE FFF	100.0	0.10		10.0		10.0	1.0	9.0
LOWER MANNVILLE GGG	36.6	0.10		3.7		3.7	0.4	3.3
LOWER MANNVILLE JJJ	305.0	0.10		30.5		30.5	1.5	29.0
LOWER MANNVILLE RRR	133.0	0.10		13.3		13.3		13.3
LOWER MANNVILLE SSS	79.6	0.10		8.0		8.0		8.0
ROCK CREEK B	218.0	0.10		21.8		21.8	2.8	19.0
ROCK CREEK C	147.0	<0.01		0.1		0.1	0.1	
ELKTON-SHUNDA A	52.5	<0.02		0.7		0.7	0.7	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	8.40	0.030	0.20	0.73	115	815	53	23 816	2 137.4	1985	86 03 - ABAND 88 03
64	8.50	0.050	0.20	0.64	177	823	84	23 292	2 301.8	1985	86 10 - GPP
64	5.00	0.050	0.20	0.64	177	816	84	20 650	2 234.3	1984	91 12 - GPP
64	6.50	0.130	0.20	0.73	120	789	73	25 434	2 264.3	1984	84 08 - GPP
64	7.00	0.050	0.20	0.64	177	791	84	20 438	2 229.3	1987	88 09 - GPP
64	4.50	0.050	0.20	0.64	187	834	69	22 471	2 011.1	1983	91 03
3 264	7.44	0.100	0.37	0.85	57	841	64	9 699	2 095.5	1977	85 01
64	3.60	0.105	0.35	0.84	51	841	71	10 052	2 382.2	1982	92 03 - ABAND 91 06
65	6.71	0.120	0.30	0.83	128	820	53	8 960	2 002.6	1963	73 12 - GPP
64	4.80	0.100	0.29	0.84	51	842	71	8 616	2 117.0	1983	89 12
116	1.87	0.053	0.25	0.84	51	842	71	8 937	2 081.6	1983	87 12 - GPP
128	2.95	0.090	0.32	0.84	51	840	71	17 241	2 262.6	1979	88 07
64	7.35	0.087	0.35	0.74	110	832	71	8 117	2 001.2	1981	86 12 - GPP
128	4.00	0.110	0.30	0.84	68	835	75	17 780	2 352.5	1984	88 06
64	3.20	0.100	0.28	0.70	142	829	74	17 855	2 427.9	1979	90 11 - GPP
624	3.62	0.080	0.32	0.70	110	842	77	21 000	2 501.5	1984	90 06
64	1.50	0.120	0.40	0.84	68	835	75	17 988	2 389.0	1985	86 10 - ABAND 87 10
64	2.10	0.088	0.25	0.80	71	839	71	9 409	2 201.8	1975	89 11 - GPP
5 433	4.11	0.128	0.15	0.40	385	797	68	32 000	2 405.8	1963	88 12 - GPP
2 560	2.51	0.106	0.22	0.64	85	874	60	27 421	2 560.8	1975	87 05 - GPP
200	4.60	0.160	0.15	0.64	181	864	81	29 203	2 614.0	1982	92 12
64	0.40	0.110	0.14	0.64	250	821	97	27 450	2 564.4	1984	85 10
128	3.10	0.110	0.24	0.64	181	874	81	27 025	2 516.6	1984	88 12
16	22.10	0.110	0.20	0.71	126	807	79	27 157	2 467.6	1985	92 11 - ABAND 91 10
65	2.74	0.110	0.15	0.50	301	829	64	23 080	2 512.5	1974	75 11 - ABAND 75 06
64	1.85	0.080	0.20	0.50	301	825	64	28 440	2 464.3	1974	76 02 - GPP
64	2.16	0.090	0.16	0.80	106	839	71	28 820	2 442.0	1977	84 07 - ABAND 83 12
64	10.00	0.120	0.30	0.75	96	845	86	25 806	2 639.0	1979	82 12 - GPP
64	6.50	0.110	0.25	0.75	110	855	63	21 495	2 553.1	1981	84 12 - ABAND 82 10
64	1.50	0.200	0.10	0.75	100	821	83	24 775	2 642.9	1982	87 12 - GPP
64	1.25	0.140	0.25	0.75	120	841	64	18 824	2 440.8	1982	83 01
64	3.90	0.120	0.20	0.68	152	843	82	28 030	2 386.1	1982	83 04
64	3.50	0.130	0.19	0.68	152	843	82	27 038	2 596.8	1982	83 07 - GPP
64	2.50	0.080	0.20	0.68	152	843	82	26 376	2 553.8	1983	84 07 - ABAND 83 11
64	3.30	0.095	0.15	0.75	152	841	82	25 911	2 716.8	1984	88 12
16	10.20	0.120	0.21	0.72	152	841	82	23 078	2 712.9	1984	84 12 - ABAND 88 08
64	2.80	0.100	0.25	0.78	113	871	84	15 279	2 561.5	1980	81 03
64	0.89	0.073	0.40	0.68	152	843	82	20 520	2 524.1	1975	86 07
64	0.60	0.120	0.17	0.75	191	807	88	30 920	2 361.9	1974	87 01 - GPP
64	1.00	0.120	0.17	0.75	191	807	88	27 949	2 375.7	1974	87 01 - GPP
64	1.50	0.120	0.17	0.75	191	807	88	28 045	2 388.0	1974	87 01 - ABAND 87 03
128	1.81	0.110	0.22	0.75	152	829	82	25 721	2 496.3	1974	88 06 - GPP
128	1.54	0.110	0.13	0.79	152	829	82	25 893	2 511.6	1974	88 06 - GPP
128	1.39	0.080	0.22	0.75	152	829	82	25 991	2 528.5	1974	88 06 - GPP
64	1.30	0.080	0.14	0.75	152	829	82	26 253	2 565.9	1974	87 04 - GPP
428	1.34	0.126	0.17	0.75	158	845	82	28 094	2 562.8	1981	85 07 - GPP
64	4.88	0.120	0.20	0.80	152	843	82	26 195	2 582.1	1984	88 07
128	5.23	0.120	0.22	0.70	145	812	85	30 950	2 565.9	1985	87 08 - GPP
320	3.80	0.110	0.24	0.74	152	843	82	28 269	2 618.1	1982	91 02 - GPP
64	1.50	0.090	0.27	0.75	92	812	79	25 524	2 461.1	1973	90 12 - GPP
64	2.40	0.110	0.18	0.75	92	812	79	25 420	2 448.8	1973	87 12 - GPP
64	1.20	0.090	0.23	0.68	152	842	36	29 382	2 511.0	1973	88 07 - GPP
64	1.80	0.100	0.24	0.68	152	842	36	26 054	2 501.2	1973	88 07 - GPP
64	2.80	0.110	0.25	0.68	152	842	36	25 801	2 470.1	1973	88 07 - GPP
64	1.50	0.080	0.30	0.68	152	843	82	29 703	2 613.3	1982	89 01
64	7.30	0.120	0.20	0.68	152	843	82	30 175	2 578.6	1975	89 06 - GPP
64	1.80	0.180	0.20	0.80	72	780	61	25 286	2 349.1	1983	92 05 - GPP
64	4.50	0.050	0.21	0.70	310	753	98		2 394.8	1983	92 12
64	5.40	0.140	0.40	0.75	98	853	70	21 848	2 602.5	1987	87 09
32	5.00	0.140	0.18	0.80	65	819	82	21 651	2 415.5	1988	91 10 - ABAND 90 03
64	2.00	0.072	0.15	0.67	140	845	82	19 218	2 402.0	1979	83 12 - ABAND 84 08

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 10 ³ m ³	2 3 RECOVERY		4 5 6 INITIAL ESTABLISHED RESERVES			7 CUMULATIVE PRODUCTION 10 ³ m ³	8 REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
		frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³		
GARRINGTON 034-04W5 (CONTINUED)								
WABAMUN A	6 470.0	0.20		1 294.0		1 294.0	1 213.0	81.0
NISKU A	211.0	0.15		31.6		31.6	5.3	26.3
LEDUC D	190.0	<0.08		14.4		14.4	14.4	
FIELD TOTAL	78 283.0			6 362.6	1 820.0	8 182.6	6 545.7	1 636.9
GARTLEY 031-18W4								
OSTRACOD A	172.0	0.15		25.8		25.8	2.7	23.1
FIELD TOTAL	172.0			25.8		25.8	2.7	23.1
GENESSEE 050-03W5								
ELLERSLIE A	26.6	<0.01		0.1		0.1	0.1	
ELLERSLIE B	86.3	0.09		7.8		7.8	7.8	
FIELD TOTAL	112.9			7.9		7.9	7.9	
GEORGE 082-05W6								
KISKATINAW E	128.0	0.10		12.8		12.8	0.7	12.1
DEBOLT B	126.0	0.05		6.3		6.3	3.2	3.1
FIELD TOTAL	254.0			19.1		19.1	3.9	15.2
GHOST PINE 031-22W4								
UPPER MANNVILLE V	1 006.0	<0.02		16.0		16.0	16.0	
UPPER MANNVILLE W	200.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE HH	279.0	0.07		19.5		19.5	17.6	1.9
UPPER MANNVILLE LL	132.0	0.06		7.9		7.9	6.7	1.2
UPPER MANNVILLE NN	116.0	<0.01		0.6		0.6	0.6	
UPPER MANNVILLE RR	85.0	0.15		12.8		12.8	7.0	5.8
UPPER MANNVILLE WW	50.4	0.10		5.0		5.0	2.7	2.3
UPPER MANNVILLE YY	640.0	0.05		32.0		32.0	9.4	22.6
UPPER MANN O.Y & FF	249.0	0.10		24.9		24.9	16.4	8.5
UPPER & LOWER MANNVILLE MU #1	564.0	0.08		45.1		45.1	37.1	8.0
UPPER MANNVILLE EEE	1 008.0	0.15		151.0		151.0	48.2	102.8
UPPER MANNVILLE HHH	64.6	<0.01		0.5		0.5	0.5	
UPPER MANNVILLE LLL	1 190.0	0.10		119.0		119.0	84.9	34.1
UPPER MANNVILLE QOO	136.0	0.10		13.6		13.6	1.4	12.2
UPPER MANNVILLE E2E	129.0	0.10		12.9		12.9	2.2	10.7
UPPER MANNVILLE W2W	162.0	0.05		8.1		8.1	2.3	5.8
UPPER MANNVILLE FFF & KKK	360.0	0.05		18.0		18.0	5.7	12.3
UPPER MANNVILLE A3A	128.0	0.10		12.8		12.8	2.6	10.2
UPPER MANNVILLE D3D	232.0	0.15		34.8		34.8	0.9	33.9
LOWER MANNVILLE B	424.0	0.08		33.9		33.9	28.8	5.1
LOWER MANNVILLE E	115.0	0.15		17.3		17.3	15.8	1.5
LOWER MANNVILLE J	159.0	0.10		15.9		15.9	8.4	7.5
LOWER MANNVILLE K	110.0	0.07		7.7		7.7	7.0	0.7
LOWER MANNVILLE L	1 067.0	0.15		160.0		160.0	116.5	43.5
LOWER MANNVILLE N	88.7	0.15		13.3		13.3	9.5	3.8
LOWER MANNVILLE O	198.0	0.10		19.8		19.8	1.4	18.4
LOWER MANNVILLE U	32.6	0.15		4.9		4.9	0.8	4.1
LOWER MANNVILLE V	73.0	0.10		7.3		7.3	0.4	6.9
LOWER MANNVILLE KK	97.4	0.10		9.7		9.7	5.2	4.5
LOWER MANNVILLE LL	57.0	0.10		5.7		5.7	1.2	4.5
PEKISKO F	110.0	0.12		13.2		13.2	12.2	1.0
PEKISKO K	305.0	<0.02		3.5		3.5	3.5	
PEKISKO N	202.0	<0.03		4.4		4.4	4.4	
PEKISKO P	77.4	0.10		7.7		7.7	2.9	4.8
FIELD TOTAL	9 847.1			859.0		859.0	480.4	378.6
GIFT 079-11W5								
SLAVE POINT A TOTAL	8 298.0			830.0	1 179.0	2 009.0	788.7	1 220.3
PRIMARY AREA	3 019.0	0.10		302.0		302.0		
WATER FLOOD AREA	5 279.0	0.10	0.23	528.0	1 179.0	1 707.0		
SLAVE POINT C	2 220.0	0.05		111.0		111.0	61.3	49.7
SLAVE POINT D	181.0	0.05		9.1		9.1	5.2	3.9
SLAVE POINT E	469.0	0.05		23.5		23.5	5.5	18.0
SLAVE POINT G	160.0	0.05		8.0		8.0	2.6	5.4

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
2 912 64 32	10.61 8.62 18.10	0.055 0.060 0.069	0.32 0.15 0.15	0.56 0.75 0.56	271 95 255	834 810 805	84 85 93	24 730 24 530 19 434	2 742.0 2 903.1 3 007.0	1952 1986 1985	84 12 - GPP 87 08 - GPP 90 12
64	4.20	0.150	0.51	0.87	51	853	42	9 537	1 309.6	1989	89 10 - GPP
64 64	0.80 2.40	0.100 0.120	0.35 0.35	0.80 0.72	85 135	850 901	45 55	16 673 16 495	1 538.1 1 563.4	1983 1981	88 12 91 10 - ABAND 90 06
64 64	3.00 4.00	0.160 0.090	0.48 0.30	0.80 0.78	82 99	877 829	53 52	14 597 15 670	1 552.5 1 524.5	1990 1976	91 03 83 12
227 65 64 64 64 21 64 192 65 257	3.94 3.29 6.40 2.14 1.83 3.49 0.90 5.65 3.96 2.79	0.210 0.146 0.140 0.186 0.170 0.182 0.180 0.110 0.200 0.180	0.37 0.25 0.40 0.39 0.32 0.25 0.40 0.33 0.40 0.48	0.85 0.86 0.81 0.85 0.85 0.85 0.81 0.80 0.81 0.84	67 61 80 55 64 58 66 76 80 71	855 870 876 820 855 874 851 862 876 865	58 41 53 66 43 58 40 57 53 49	10 420 10 314 10 510 10 000 10 270 9 049 9 900 10 283 10 410 10 490	1 481.9 1 396.9 1 498.4 1 372.8 1 390.8 1 488.8 1 359.3 1 500.5 1 507.5 1 410.9	1954 1965 1967 1973 1974 1980 1982 1983 1961 1965	79 03 - GPP 66 05 82 12 - GPP 92 12 - GPP 79 06 - ABAND 88 06 92 01 84 03 89 04 - GPP 68 12 - GPP 90 12 - GPP
320 64 256 64 64 32 64	2.71 1.20 3.46 3.00 2.50 7.50 5.90	0.190 0.150 0.200 0.130 0.130 0.120 0.160	0.28 0.34 0.21 0.35 0.27 0.29 0.30	0.85 0.85 0.85 0.84 0.85 0.79 0.85	120 50 56 60 56 78 59	875 858 873 870 873 877 870	52 62 50 48 50 59 45	10 312 10 348 9 357 9 909 9 784 9 373 10 265	1 490.0 1 546.6 1 497.6 1 370.6 1 497.5 1 490.6 1 472.0	1985 1980 1986 1985 1985 1990 1985	92 05 88 12 88 10 87 03 - GPP 88 10 - GPP 91 10 90 11
64 64 64 65 128 64 128 64 64 64 64 64 32 64 64 64	2.00 3.30 5.86 1.52 1.72 1.98 6.13 3.30 3.20 1.00 1.60 1.70 1.50 12.19 17.00 10.50 2.70	0.170 0.190 0.190 0.180 0.130 0.150 0.200 0.100 0.170 0.120 0.120 0.145 0.140 0.054 0.050 0.050 0.070	0.31 0.35 0.30 0.25 0.34 0.32 0.20 0.50 0.33 0.50 0.30 0.29 0.47 0.40 0.30 0.20	0.85 0.89 0.85 0.86 0.84 0.85 0.85 0.84 0.85 0.85 0.85 0.80 0.86 0.80 0.86 0.80	58 62 58 51 62 62 70 60 56 49 52 47 79 62 91 58 79	853 854 892 892 876 881 861 861 873 860 859 868 877 870 813 859 877	47 39 48 49 56 49 60 61 50 45 47 62 56 52 40 55	10 282 9 804 10 670 10 747 10 980 11 030 10 250 10 245 8 341 8 828 9 485 9 716 9 775 10 026 10 362 10 320 10 909	1 475.2 1 348.3 1 443.5 1 487.4 1 572.9 1 570.3 1 491.4 1 509.2 1 502.6 1 514.5 1 494.9 1 510.9 1 513.1 1 421.3 1 472.9 1 417.1 1 645.6	1980 1987 1959 1965 1977 1977 1971 1981 1986 1987 1986 1988 1988 1965 1979 1981 1981	91 09 - GPP 91 12 86 12 - GPP 87 12 - GPP 79 06 - GPP 89 12 - GPP 87 11 81 08 - GPP 88 10 88 07 79 03 88 08 - GPP 89 06 88 12 - GPP 85 12 - ABAND 87 05 82 04 - ABAND 89 08 84 02 - GPP
1 762 810 952 640 64 64 64	7.03 10.46 7.28 5.76 12.60 6.70	0.086 0.086 0.084 0.091 0.095 0.080	0.33 0.33 0.37 0.40 0.32 0.50	0.92 0.92 0.90 0.90 0.90 0.93	16 30 15 28 15	830 851 854 850 835	64 54 65 56 65	16 663 17 297 16 663 16 913 15 745	1 771.8 1 794.5 1 825.5 1 796.5 1 799.0	1983 1980 1984 1984 1984	92 10 - GPP 92 12 87 12 - GPP 87 12 - GPP 87 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
GIFT 079-11W5 (CONTINUED)								
SLAVE POINT H	118.0	0.05		5.9		5.9	3.8	2.1
SLAVE POINT I	292.0	<0.01		0.1		0.1	0.1	
SLAVE POINT J	290.0	0.15		43.5		43.5	24.8	18.7
SLAVE POINT K	202.0	0.15		30.3		30.3	17.4	12.9
GILWOOD A	134.0	<0.03		3.4		3.4	3.4	
GILWOOD D	276.0	0.15		41.4		41.4	27.0	14.4
GILWOOD E	954.0	0.25		239.0		239.0	96.2	142.8
GILWOOD G	238.0	0.20		47.6		47.6	33.0	14.6
GILWOOD H	602.0	0.25		151.0		151.0	82.5	68.5
GILWOOD I	15.8	<0.02		0.3		0.3	0.3	
GILWOOD J	918.0	0.25		230.0		230.0	119.6	110.4
GILWOOD K	193.0	0.20		38.6		38.6	32.4	6.2
GILWOOD L	48.1	0.25		12.0		12.0	2.2	9.8
GILWOOD M	1 165.0	0.25		291.0		291.0	70.1	220.9
GILWOOD N	98.4	0.10		9.8		9.8	8.0	1.8
GILWOOD O	157.0	0.25		39.3		39.3	12.8	26.5
GILWOOD P	360.0	0.25		90.0		90.0	13.3	76.7
GILWOOD Q	111.0	0.25		27.8		27.8		27.8
GRANITE WASH A	72.7	<0.01		0.2		0.2	0.2	
GRANITE WASH B	198.0	<0.02		3.6		3.6	3.5	0.1
GRANITE WASH C	65.0	<0.02		0.8		0.8	0.8	
GRANITE WASH D	47.7	0.20		9.5		9.5	4.8	4.7
GRANITE WASH E	46.2	<0.01		0.2		0.2	0.2	
GRANITE WASH F	86.9	<0.03		2.4		2.4	2.4	
FIELD TOTAL	18 016.8			2 299.3	1 179.0	3 478.3	1 422.1	2 056.2
GILBY 041-03W5								
BELLY RIVER A	286.0	0.07		20.0		20.0	18.6	1.4
BELLY RIVER B	685.0	0.10		68.5		68.5	44.1	24.4
BELLY RIVER C	121.0	<0.01		1.1		1.1	1.1	
BELLY RIVER E	214.0	0.05		10.7		10.7	7.8	2.9
CARDIUM A	170.0	0.12		20.4		20.4	18.0	2.4
CARDIUM D	84.5	0.10		8.5		8.5	0.5	8.0
CARDIUM E	179.0	0.10		17.9		17.9	13.7	4.2
SECOND WHITE	1 841.0	0.10		184.0		184.0	50.5	133.5
SPECKS A								
SECOND WHITE	230.0	0.10		23.0		23.0	1.2	21.8
SPECKS B								
SECOND WHITE	455.0	0.10		45.5		45.5	6.9	38.6
SPECKS C								
VIKING A TOTAL	7 041.0			1 362.0	1 224.0	2 586.0	2 547.8	38.2
PRIMARY AREA	921.0	0.15		138.0		138.0		
WATER FLOOD AREA	6 120.0	0.20	0.20	1 224.0	1 224.0	2 448.0		
VIKING B TOTAL	1 539.0			441.0	183.0	624.0	571.5	52.5
PRIMARY AREA	133.0	0.25		33.3		33.3		
WATER FLOOD AREA	1 406.0	0.29	0.13	408.0	183.0	591.0		
VIKING C	229.0	0.20		45.8		45.8	34.2	11.6
VIKING F	99.8	0.15		15.0		15.0	11.8	3.2
VIKING G	61.5	<0.02		0.9		0.9	0.9	
VIKING H	19.8	0.02		0.4		0.4	0.4	
VIKING J	74.5	<0.01		0.2		0.2	0.2	
VIKING K	50.3	0.15		7.5		7.5	5.5	2.0
VIKING L	32.1	<0.03		0.8		0.8	0.8	
BASAL MANNVILLE B	8 718.0			953.0	345.0	1 298.0	1 100.4	197.6
TOTAL								
PRIMARY AREA	2 968.0	0.05		148.0		148.0		
WATER FLOOD AREA	5 750.0	0.14	0.06	805.0	345.0	1 150.0		
BASAL MANNVILLE F	28.2	<0.03		0.7		0.7	0.7	
BASAL MANNVILLE G	76.6	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE O	103.0	<0.01		0.5		0.5	0.5	
BASAL MANNVILLE R	1 700.0	0.05		85.0		85.0	66.6	18.4
BASAL MANNVILLE S	493.0	0.07		34.5		34.5	27.7	6.8
BASAL MANNVILLE X	376.0	<0.01		1.7		1.7	1.7	
BASAL MANNVILLE Y	93.6	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE AA	93.0	0.10		9.3		9.3	1.9	7.4
BASAL MANNVILLE BB	133.0	0.15		20.0		20.0	10.6	9.4
BASAL MANNVILLE DD	105.0	0.10		10.5		10.5	4.5	6.0
BASAL MANNVILLE EE	283.0	0.05		14.2		14.2	2.4	11.8
BASAL MANNVILLE GG	209.0	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE HH	126.0	0.05		6.3		6.3	0.9	5.4

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	4.10	0.079	0.37	0.90	30	850	54	17 083	1 784.0	1985	87 12 - GPP
64	11.40	0.100	0.55	0.89	34	838	50	17 881	1 865.8	1985	88 12 - ABAND 91 06
64	9.00	0.080	0.30	0.90	29	843	64	17 466	1 815.2	1981	82 04 - GPP
64	7.70	0.080	0.43	0.90	30	865	54	17 481	1 826.4	1982	83 04 - GPP
128	1.76	0.110	0.35	0.83	58	841	60	18 213	1 822.3	1980	85 02
64	3.80	0.180	0.30	0.90	26	841	65	17 560	1 803.1	1983	84 04 - GPP
256	3.72	0.170	0.29	0.83	56	847	71	18 648	1 809.1	1983	85 02
32	6.40	0.200	0.30	0.83	62	847	57	18 590	1 794.3	1984	91 12 - GPP
256	2.38	0.160	0.29	0.87	43	847	56	18 101	1 845.6	1989	92 05
64	0.50	0.080	0.29	0.87	43	847	54	16 447	1 830.5	1984	88 12
256	4.00	0.144	0.30	0.89	31	836	59	18 632	1 876.4	1984	87 12
64	3.50	0.150	0.30	0.82	64	850	63	18 674	1 908.8	1984	84 03
64	1.10	0.120	0.36	0.89	57	836	64	18 434	1 827.3	1990	90 07
320	3.10	0.180	0.25	0.87	44	840	60	18 378	1 825.0	1990	92 12
64	1.70	0.160	0.35	0.87	43	847	56	18 418	1 849.2	1984	91 02 - GPP
64	2.00	0.190	0.22	0.83	65	822	49	12 843	1 888.8	1991	91 08
64	6.20	0.180	0.40	0.84	58	831	64	11 749	1 832.4	1991	91 12
64	2.20	0.140	0.33	0.84	58	831	64	10 945	1 836.9	1991	92 03
64	1.50	0.150	0.42	0.87	43	854	55	19 017	1 836.7	1984	84 11 - ABAND 84 11
64	3.30	0.200	0.46	0.87	42	835	56	18 383	1 876.7	1984	88 12
64	1.20	0.130	0.25	0.87	42	835	56	19 055	1 826.6	1984	88 12
32	1.70	0.180	0.44	0.87	39	845	65	17 263	1 838.2	1984	91 03 - GPP
32	1.70	0.150	0.35	0.87	41	870	66	18 277	1 864.7	1990	91 04 - ABAND 90 07
64	2.00	0.120	0.35	0.87	40	845	60	18 526	1 906.7	1982	92 08 - ABAND 90 01
129	3.57	0.183	0.60	0.85	57	820	38	7 170	1 282.9	1963	75 12 - GPP
192	4.27	0.150	0.36	0.87	51	820	46	7 240	1 393.9	1965	89 01 - GPP
16	6.40	0.200	0.32	0.87	68	820	33	8 200	1 299.3	1979	92 11 - ABAND 85 01
64	4.96	0.136	0.43	0.87	58	836	29	9 472	1 307.5	1979	89 12
170	1.83	0.090	0.20	0.76	106	811	63	17 790	1 671.8	1962	87 12 - GPP
64	1.50	0.150	0.15	0.69	140	835	62	18 980	1 847.8	1984	85 08
128	1.72	0.130	0.23	0.81	85	838	55	17 212	1 769.9	1985	88 06
128	16.64	0.180	0.25	0.64	82	834	62	21 503	1 816.0	1989	91 01
64	5.60	0.170	0.41	0.64	170	827	50	21 309	1 787.0	1980	91 06
64	15.40	0.080	0.25	0.77	96	826	64	21 407	1 800.7	1991	92 01
6 630					55	834	62	9 960	1 784.9	1953	92 12 - GPP
1 024	1.81	0.092	0.35	0.83							
5 606	1.86	0.104	0.32	0.83							
2 451					92	839	68	17 930	1 951.0	1961	91 12 - GPP
181	2.00	0.070	0.32	0.77							
2 270	1.62	0.073	0.32	0.77							
255	1.16	0.140	0.29	0.78	92	839	66	17 440	1 911.1	1956	74 12 - GPP
128	1.35	0.110	0.30	0.75	110	849	66	10 940	1 973.9	1974	88 12 - GPP
65	1.22	0.140	0.29	0.78	92	849	62	12 510	1 908.0	1976	83 12
64	2.50	0.030	0.45	0.75	100	818	83	12 600	1 917.6	1980	82 07 - ABAND 87 06
64	1.80	0.110	0.30	0.84	58	834	63	11 770	1 831.1	1985	89 12 - ABAND 90 03
64	1.80	0.070	0.20	0.78	90	837	72	11 220	2 044.9	1985	90 12 - GPP
64	0.80	0.105	0.35	0.92	49	850	60	8 341	1 671.6	1985	91 10 - ABAND 90 10
1 283					71	892	69	15 860	2 145.0	1957	91 12 - GPP
575	6.06	0.140	0.22	0.78							
708	9.40	0.142	0.22	0.78							
41	0.91	0.150	0.30	0.72	71	892	68	15 580	2 144.0	1966	88 12 - GPP
65	2.13	0.100	0.30	0.79	91	892	53	15 240	2 033.6	1966	68 02 - ABAND 70 12
64	1.83	0.140	0.20	0.78	99	904	52	14 749	1 887.0	1974	75 12 - ABAND 76 06
128	13.84	0.136	0.15	0.83	66	887	60	14 370	2 135.6	1976	90 04 - GPP
128	5.20	0.130	0.27	0.78	98	829	56	15 440	1 894.3	1971	81 12 - GPP
64	9.50	0.110	0.28	0.78	180	889	52	16 982	2 192.3	1979	79 08
64	2.10	0.130	0.33	0.80	87	890	79	18 505	2 126.4	1981	84 01 - ABAND 84 05
64	1.90	0.140	0.30	0.78	95	898	59	18 132	2 089.0	1986	86 12 - GPP
64	2.35	0.135	0.16	0.78	87	890	76	18 396	2 094.1	1979	86 12 - GPP
64	2.80	0.100	0.23	0.76	100	859	67	14 182	1 990.4	1971	88 01 - GPP
32	12.10	0.120	0.22	0.78	90	892	69	15 878	2 161.8	1987	91 12
64	4.29	0.138	0.20	0.69	135	812	66	14 661	2 123.7	1987	92 10
32	6.00	0.120	0.31	0.79	91	890	68	15 635	1 914.0	1988	89 12

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
GILBY 041-03W5 (CONTINUED)								
MANN JUR & RUN MU #1	1 292.0	0.05		64.6		64.6	63.8	0.8
JURASSIC B TOTAL	12 340.0			1 478.0	2 196.0	3 674.0	2 915.5	758.5
PRIMARY AREA	138.0	0.10		13.8		13.8		
WATER FLOOD AREA	12 200.0	0.12	0.18	1 464.0	2 196.0	3 660.0		
JURASSIC F	1 760.0	0.15	0.25	264.0	442.0	706.0	469.6	236.4
WATER FLOOD								
JURASSIC I	610.0	0.10		61.0		61.0	51.6	9.4
JURASSIC J	795.0	0.15		119.0		119.0	64.9	54.1
JURASSIC L	775.0	0.10		77.5		77.5	28.7	48.8
JURASSIC P	552.0	0.05		27.6		27.6	6.5	21.1
JURASSIC O	171.0	0.05		8.6		8.6		8.6
RUNDLE B	175.0	<0.02		2.1		2.1	2.0	0.1
RUNDLE E	138.0	<0.07		8.7		8.7	8.7	
RUNDLE L	300.0	<0.02		5.4		5.4	5.4	
RUNDLE M	135.0	<0.01		0.1		0.1	0.1	
RUNDLE N	67.4	<0.01		0.1		0.1	0.1	
RUNDLE O	311.0	0.05		15.6		15.6	8.0	7.6
RUNDLE R	601.0	0.10		60.1		60.1	9.4	50.7
BANFF A	188.0	<0.01		0.1		0.1	0.1	
NISKU A	121.0	<0.02		1.3		1.3	1.3	
NISKU B	100.0	0.05		5.0		5.0	2.7	2.3
NISKU C	136.0	0.12		16.3		16.3	15.4	0.9
NISKU D	129.0	0.10		12.9		12.9	1.4	11.5
D-3 A	169.0	<0.01		1.5		1.5	1.5	
FIELD TOTAL *	46 815.3			5 638.8	4 390.0	10 028.8	8 210.5	1 818.3
GILWOOD 073-18W5								
GILWOOD A	442.0	0.30		133.0		133.0	105.6	27.4
GILWOOD B	144.0	0.20		28.8		28.8	19.7	9.1
GILWOOD C	217.0	0.25		54.2		54.2	13.7	40.5
GILWOOD D	110.0	<0.02		1.3		1.3	1.3	
GILWOOD E	254.0	0.20		50.8		50.8	21.0	29.8
GILWOOD F	212.0	0.20		42.4		42.4	15.1	27.3
GILWOOD G	73.8	<0.02		1.3		1.3	1.3	
FIELD TOTAL	1 452.8			311.8		311.8	177.7	134.1
GIROUX LAKE 066-21W5								
VIKING A WATER FLOOD	843.0	<0.19	0.14	155.0	118.0	273.0	228.9	44.1
VIKING D	270.0	0.10		27.0		27.0	17.1	9.9
GETHING A	140.0	<0.01		1.3		1.3	1.3	
GETHING C	113.0	<0.04		4.1		4.1	4.1	
FIELD TOTAL	1 366.0			187.4	118.0	305.4	251.4	54.0
GIROUXVILLE EAST 076-22W5								
DEBOLT B	225.0	0.10		22.5		22.5	9.4	13.1
DEBOLT C	139.0	0.15		20.9		20.9	16.8	4.1
GILWOOD A	223.0	<0.03		5.3		5.3	5.3	
GILWOOD B	200.0	0.30		60.0		60.0	27.0	33.0
GILWOOD C	118.0	0.20		23.6		23.6	4.8	18.8
GRANITE WASH A	198.0	0.30		59.4		59.4	33.8	25.6
FIELD TOTAL	1 103.0			191.7		191.7	97.1	94.6
GLACIER 076-11W6								
CHARLIE LAKE A	71.9	0.05		3.6		3.6	2.3	1.3
BOUNDARY A	606.0	0.15		90.9		90.9	33.6	57.3
FIELD TOTAL	677.9			94.5		94.5	35.9	58.6
GLADYS 020-27W4								
UPPER MANNVILLE A	92.2	<0.02		1.1		1.1	1.1	
LOWER MANNVILLE A	2 708.0	0.03		81.2		81.2	51.5	29.7
LOWER MANNVILLE D	99.7	0.05		5.0		5.0	0.2	4.8
LOWER MANNVILLE E	82.4	0.10		8.2		8.2	0.2	8.0
LOWER MANNVILLE B&C	77.6	<0.01		0.4		0.4	0.4	
DETRITAL A	138.0	<0.02		2.3		2.3	2.3	
RUNDLE C	1 700.0	0.10		170.0		170.0	106.5	63.5

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
192	7.70	0.140	0.22	0.80	86	892	71	16 220	2 137.0	1955	84 12 - GPP
1 893					86	887	71	16 000	2 149.1	1958	86 05
64	3.06	0.110	0.20	0.80							
1 829	6.40	0.167	0.22	0.80							- GPP
404	4.97	0.146	0.25	0.80	90	887	66	15 960	2 165.3	1961	68 05 - GPP
64	7.10	0.210	0.20	0.80	76	892	70	13 750	2 155.2	1973	88 09
128	6.90	0.150	0.25	0.80	80	887	71	12 960	2 167.8	1974	92 08 - GPP
218	2.84	0.230	0.32	0.80	83	896	70	13 742	2 153.8	1982	91 12 - GPP
64	10.50	0.130	0.20	0.79	91	891	68	15 292	2 178.7	1989	90 12
69	2.09	0.200	0.26	0.80	83	897	70	8 741	2 148.9	1991	92 06
101	4.79	0.062	0.28	0.81	86	898	71	15 860	2 148.2	1958	64 04
32	6.83	0.100	0.22	0.81	73	898	71	16 130	2 178.1	1962	63 10
65	7.62	0.100	0.25	0.81	71	898	73	16 170	2 154.6	1974	88 12 - ABAND 92 10
64	4.80	0.068	0.20	0.81	74	881	62	15 420	2 027.5	1976	82 12 - ABAND 83 01
64	2.50	0.080	0.35	0.81	74	881	66	15 981	2 275.8	1979	88 12 - ABAND 89 10
64	8.00	0.100	0.25	0.81	116	887	54	21 112	2 257.5	1979	83 12 - GPP
64	20.70	0.070	0.20	0.81	71	894	71	16 906	2 279.2	1991	91 07
64	5.00	0.120	0.30	0.70	150	753	57	15 032	2 075.0	1984	85 07 - ABAND 91 09
64	9.00	0.050	0.40	0.70	177	817	51	18 540	2 478.5	1979	83 12 - ABAND 84 07
16	20.00	0.053	0.18	0.72	120	830	82	18 108	2 394.5	1984	92 08 - GPP
32	15.40	0.050	0.20	0.69	125	815	80	18 715	2 383.7	1988	92 08
32	12.00	0.060	0.20	0.70	143	823	67	18 381	2 435.5	1990	91 12
64	7.50	0.070	0.25	0.67	59	806	83	11 131	2 475.5	1984	88 12
243	2.13	0.150	0.36	0.89	36	834	86	25 860	2 472.5	1954	86 12 - GPP
32	6.00	0.140	0.40	0.89	36	838	86	25 714	2 524.6	1984	91 12 - GPP
64	4.70	0.133	0.39	0.89	36	834	86	26 199	2 567.7	1987	87 09 - GPP
64	3.03	0.107	0.39	0.87	38	840	64	25 186	2 558.3	1985	92 10
128	2.62	0.147	0.42	0.89	36	935	86	25 335	2 426.6	1987	89 03 - GPP
64	4.20	0.150	0.41	0.89	36	835	86	25 635	2 431.7	1988	89 02
64	1.80	0.144	0.50	0.89	36	835	86	25 307	2 442.1	1988	92 06 - ABAND 92 03
646	1.61	0.138	0.30	0.84	71	834	56	11 620	1 376.5	1964	91 06 - GPP
192	1.33	0.200	0.37	0.84	71	834	56	11 137	1 329.5	1985	88 06 - GPP
64	2.50	0.130	0.25	0.90	29	927	59	15 555	1 691.3	1979	79 11
64	1.85	0.160	0.32	0.88	50	922	71	15 850	1 745.5	1978	88 12 - GPP
64	3.80	0.160	0.35	0.89	38	826	41	9 212	1 118.9	1982	86 02 - GPP
100	1.80	0.150	0.42	0.89	38	826	41	9 319	1 077.5	1988	90 12 - GPP
64	3.59	0.158	0.31	0.89	42	831	66	26 631	2 444.8	1987	91 04 - ABAND 91 11
64	4.30	0.132	0.36	0.86	40	827	78	27 009	2 452.0	1988	89 08 - GPP
64	2.35	0.150	0.40	0.87	39	813	77	27 057	2 451.6	1990	91 04
64	3.80	0.180	0.48	0.87	36	820	76	26 620	2 445.4	1985	86 01 - GPP
64	1.50	0.120	0.19	0.77	100	829	73	18 775	2 070.3	1988	91 02 - GPP
331	1.76	0.200	0.35	0.80	110	834	75	17 561	1 987.3	1984	91 05
64	2.00	0.120	0.25	0.80	80	852	48	17 226	2 021.5	1979	82 08
192	22.39	0.120	0.30	0.75	112	849	54	16 805	2 056.9	1978	83 12 - GPP
64	2.50	0.140	0.50	0.89	27	910	80	18 057	2 030.0	1989	89 10
64	2.45	0.120	0.40	0.73	118	841	64	16 716	2 007.3	1989	90 07
64	2.10	0.110	0.30	0.75	112	830	54	16 468	2 054.1	1978	82 12
64	4.00	0.120	0.40	0.75	112	840	54	16 850	2 062.4	1978	84 12
320	13.00	0.080	0.30	0.73	102	849	56	19 163	2 070.1	1977	80 05 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL · 103m3		
GLADYS 020-27W4 (CONTINUED) RUNDLE E	419.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL *	5 316.9			268.4		268.4	162.4	106.0
GLEICHEN 022-21W4 UPPER MANNVILLE A	47.2	<0.03		1.1		1.1	1.1	
UPPER MANNVILLE B	44.1	0.04		1.8		1.8	1.8	
FIELD TOTAL	91.3			2.9		2.9	2.9	
GLEN PARK 049-27W4 GLAUCONITIC A	194.0	<0.18		34.5		34.5	34.5	
GLAUCONITIC B	333.0	0.15		50.0		50.0	43.4	6.6
D-2 A	304.0	0.07		21.3		21.3	21.3	
D-3 A	4 664.0	0.72		3 358.0		3 358.0	3 210.3	147.7
D-3 B	167.0	0.50		83.5		83.5	16.8	66.7
FIELD TOTAL	5 662.0			3 547.3		3 547.3	3 326.3	221.0
GOLD CREEK 068-06W6 CHARLIE LAKE B	271.0	0.05		13.6		13.6	1.2	12.4
CHARLIE LAKE C	84.9	0.15		12.7		12.7	9.1	3.6
CHARLIE LAKE D	182.0	0.10		18.2		18.2	3.8	14.4
CHARLIE LAKE E	434.0	0.10		43.4		43.4	4.7	38.7
DOIG A	77.0	0.15		11.6		11.6	1.1	10.5
DOIG B	276.0	0.05		13.8		13.8	0.2	13.6
DOIG C	312.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	1 636.9			113.4		113.4	20.2	93.2
GOLDEN 087-14W5 SLAVE POINT A	5 000.0	0.55		2 750.0		2 750.0	2 412.4	337.6
SLAVE POINT B	352.0	0.10		35.2		35.2	7.9	27.3
SLAVE POINT C	139.0	0.10		13.9		13.9	2.0	11.9
GRANITE WASH A	307.0	<0.03		8.1		8.1	8.1	
FIELD TOTAL	5 798.0			2 807.2		2 807.2	2 430.4	376.8
GOLDEN SPIKE 051-27W4 BLAIRMORE E	787.0	0.05		39.4		39.4	4.5	34.9
UPPER MANNVILLE A	47.9	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE C	228.0	0.10		22.8		22.8	9.8	13.0
UPPER MANNVILLE D	189.0	0.05		9.5		9.5	6.8	2.7
D-2 A WATER FLOOD	2 180.0	0.11	0.07	240.0	152.0	392.0	390.0	2.0
D-2 B	356.0	0.15		53.4		53.4	50.0	3.4
D-3 A TOTAL	50 180.0			26 590.0	3 660.0	30 250.0	28 444.8	1 805.2
PRIMARY AREA	575.0	<0.51		290.0		290.0		
SOLVENT FLOOD AREA	0.0			0.0	1 590.0	1 590.0		
GAS FLOOD AREA	49 600.0	0.53	0.05	26 300.0	2 070.0	28 370.0		
D-3 B	683.0	0.40		273.0		273.0	250.0	23.0
D-3 C	425.0	0.45		191.0		191.0	187.8	3.2
FIELD TOTAL	55 075.9			27 419.4	3 812.0	31 231.4	29 344.0	1 887.4
GOODWIN 059-13W5 BASAL QUARTZ A	189.0	0.10		18.9		18.9	12.4	6.5
FIELD TOTAL	189.0			18.9		18.9	12.4	6.5
GOOSE RIVER 067-18W5 D-2 A	299.0	<0.01		0.9		0.9	0.9	
BEAVERHILL LAKE A	21 000.0			3 358.0	5 560.0	8 918.0	7 397.0	1 521.0
TOTAL								
SOLVENT FLOOD AREA	10 800.0	<0.16	0.29	1 726.0	3 214.0	4 940.0		
WATER FLOOD AREA	10 200.0	0.16	0.23	1 632.0	2 346.0	3 978.0		
BEAVERHILL LAKE B	167.0	0.10		16.7		16.7	13.8	2.9
FIELD TOTAL	21 466.0			3 375.6	5 560.0	8 935.6	7 411.7	1 523.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	12.80	0.120	0.40	0.71	140	820	64	16 165	1 988.5	1978	82 12 - ABAND 83 09
64	1.30	0.140	0.50	0.81	82	841	43	10 869	1 462.0	1980	84 12 - ABAND 83 11
64	1.70	0.100	0.50	0.81	72	838	43	10 771	1 396.4	1979	89 12
77	2.74	0.149	0.26	0.83	60	881	59	13 240	1 408.5	1953	61 09 - ABAND 71 05
82	3.64	0.170	0.20	0.82	44	881	60	7 170	1 428.9	1965	84 12 - GPP
239	4.63	0.047	0.20	0.73	113	820	67	13 240	1 691.3	1952	64 04 - GPP
173	39.32	0.097	0.07	0.76	106	834	74	15 200	1 921.8	1951	73 05 - GPP
12	20.80	0.110	0.20	0.76	99	836	74	13 391	1 906.5	1983	92 10 - GPP
64	2.80	0.210	0.10	0.80	100	815	75	19 302	2 103.4	1983	92 12
64	3.00	0.080	0.30	0.79	100	795	75	19 510	2 185.5	1984	90 12
64	3.89	0.125	0.27	0.80	100	827	74	20 425	2 143.0	1985	86 09 - GPP
64	7.20	0.150	0.14	0.73	114	816	85	17 927	1 970.5	1990	91 07
64	1.80	0.110	0.24	0.80	78	820	74	20 988	2 155.9	1985	86 03 - GPP
64	10.30	0.083	0.37	0.80	68	856	75	18 846	2 190.7	1985	92 12
64	7.80	0.120	0.35	0.80	68	824	74	19 328	2 136.1	1984	85 08
1 497	6.01	0.086	0.29	0.91	32	829	38	16 660	1 599.3	1971	92 12 - GPP
64	8.50	0.090	0.21	0.91	30	829	38	15 646	1 581.3	1983	88 01 - GPP
64	6.76	0.060	0.42	0.92	30	829	38	15 811	1 584.7	1989	90 11
64	5.80	0.112	0.23	0.96	35	835	40	16 415	1 560.3	1971	90 12 - GPP
64	12.40	0.130	0.07	0.82	70	845	51	10 251	1 327.7	1989	90 08
16	3.60	0.160	0.35	0.80	60	905	50	11 265	1 269.5	1976	84 03 - ABAND 87 10
64	6.50	0.120	0.45	0.83	58	881	45	11 841	1 300.8	1983	89 05 - GPP
64	3.70	0.148	0.35	0.83	82	882	57	11 912	1 326.7	1985	89 05 - GPP
609	9.85	0.057	0.15	0.75	87	839	61	12 270	1 542.9	1952	82 12 - GPP
173	3.93	0.078	0.14	0.78	87	839	61	12 410	1 556.9	1951	73 12 - GPP
614					70	839	60	14 450	1 775.9	1949	91 12 - GPP
24	38.71	0.087	0.11	0.80							- SOLVENT FLOOD TERMINATED 76 02
590	135.71	0.087	0.11	0.80							
231	6.10	0.068	0.12	0.81	73	839	77	14 340	1 810.2	1950	86 12 - GPP
158	5.82	0.068	0.15	0.80	73	839	67	14 480	1 827.0	1951	85 12 - GPP
64	5.26	0.120	0.40	0.78	90	860	61	13 800	1 650.0	1973	85 11
65	9.14	0.080	0.15	0.74	113	825	94	28 460	2 372.6	1965	71 05 - ABAND 69 08
3 472					99	820	110	29 300	2 810.3	1963	91 08 - GPP
1 250	17.58	0.082	0.19	0.74							
2 222	9.34	0.082	0.19	0.74							
130	3.66	0.060	0.24	0.77	99	820	104	36 200	2 857.2	1965	67 02 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
GORDONDALE 079-10W6								
CHARLIE LAKE A	123.0	<0.01		1.1		1.1	1.1	
CHARLIE LAKE B	138.0	0.03		4.1		4.1	0.4	3.7
CHARLIE LAKE C	187.0	0.10		18.7		18.7	4.7	14.0
HALFWAY A	149.0	0.05		7.5		7.5	2.9	4.6
HALFWAY B	985.0	0.10		98.5		98.5	31.3	67.2
HALFWAY F	38.2	0.15		5.7		5.7	4.3	1.4
HALFWAY I	361.0	0.15		54.2		54.2	30.6	23.6
HALFWAY K	1 733.0	0.10		173.0		173.0	96.9	76.1
HALFWAY M	437.0	0.15		65.6		65.6	22.5	43.1
HALFWAY C & DOIG A	2 638.0	0.10		264.0		264.0	46.1	217.9
FIELD TOTAL	6 789.2			692.4		692.4	240.8	451.6
GRANDE PRAIRIE 073-06W6								
CHARLIE LAKE B	122.0	0.15		18.3		18.3	14.8	3.5
CHARLIE LAKE C	74.0	0.10		7.4		7.4	4.3	3.1
CHARLIE LAKE D	185.0	<0.01		1.3		1.3	1.3	
CHARLIE LAKE E	81.2	0.20		16.2		16.2	12.6	3.6
HALFWAY A TOTAL	5 386.0			630.0	195.0	825.0	442.6	382.4
PRIMARY AREA	1 704.0	0.05		90.3		90.3		
GAS FLOOD AREA	3 682.0	0.14	0.05	540.0	195.0	735.0		
HALFWAY F	11.4	0.10		1.1		1.1	0.3	0.8
HALFWAY H	130.0	0.10		13.0		13.0	2.7	10.3
HALFWAY I	128.0	<0.01		0.5		0.5	0.5	
HALFWAY J	66.3	0.10		6.6		6.6	0.4	6.2
HALFWAY K	144.0	0.10		14.4		14.4	5.7	8.7
HALFWAY L	37.5	<0.02		0.4		0.4	0.4	
HALFWAY M	201.0	0.10		20.1		20.1	0.4	19.7
HALFWAY N	169.0	0.10		16.9		16.9	1.1	15.8
HALFWAY P	177.0	0.05		8.9		8.9	2.3	6.6
HALFWAY R	42.5	0.10		4.3		4.3	0.3	4.0
FIELD TOTAL	6 954.9			759.4	195.0	954.4	489.7	464.7
GREENCOURT EAST 059-06W5								
VIKING A	58.9	<0.01		0.4		0.4		0.4
VIKING B	28.1	<0.01		0.2		0.2	0.2	
FIELD TOTAL *	87.0			0.6		0.6	0.2	0.4
GROAT 057-15W5								
CARDIUM A	188.0	0.10		18.8		18.8	0.1	18.7
FIELD TOTAL	188.0			18.8		18.8	0.1	18.7
GROUARD 075-15W5								
GILWOOD A	93.5	0.25		23.4		23.4	11.1	12.3
FIELD TOTAL	93.5			23.4		23.4	11.1	12.3
GUNN 056-03W5								
LOWER MANNVILLE A	158.0	<0.01		1.4		1.4	1.4	
FIELD TOTAL *	158.0			1.4		1.4	1.4	
HACKETT 036-18W4								
UPPER MANNVILLE A	1 150.0	0.09		103.0		103.0	89.9	13.1
UPPER MANNVILLE D	238.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	1 388.0			103.1		103.1	90.0	13.1
HALKIRK 038-16W4								
UPPER MANNVILLE B	82.7	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE D	2 000.0	0.17	0.31	340.0	620.0	960.0	339.3	620.7
WATER FLOOD								
UPPER MANNVILLE E	202.0	0.10		20.2		20.2	5.7	14.5
UPPER MANNVILLE G	140.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE I	5 742.0			976.0	1 307.0	2 283.0	1 369.3	913.7
TOTAL								
PRIMARY AREA	59.0	0.17		10.0		10.0		

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	5.10	0.090	0.44	0.75	123	824	58	14 906	1 720.6	1988	88 10 - ABAND 90 07
64	1.82	0.175	0.10	0.75	123	845	69	13 750	1 543.6	1988	91 07 - GPP
64	3.20	0.140	0.13	0.75	123	827	69		1 597.6	1990	91 07
65	4.88	0.090	0.27	0.72	129	815	67	16 880	1 747.1	1976	83 01
350	5.19	0.103	0.35	0.81	76	830	66	17 046	1 830.6	1979	91 12
64	2.15	0.065	0.39	0.70	130	814	60	10 896	1 638.3	1985	88 12 - GPP
128	4.09	0.150	0.37	0.73	175	806	60	15 709	1 739.2	1986	89 08
1 690	2.02	0.094	0.25	0.72	112	814	70	15 070	1 598.6	1984	90 06
128	3.26	0.175	0.17	0.72	141	805	70	15 214	1 644.7	1988	89 12
1 190	3.91	0.100	0.30	0.81	76	832	66	16 685	1 875.9	1980	88 07
99	1.70	0.120	0.10	0.67	144	835	58	19 119	1 921.5	1984	88 12 - GPP
64	2.10	0.106	0.20	0.65	168	827	64	19 127	1 925.5	1979	80 01 - GPP
64	3.90	0.120	0.12	0.70	140	823	68	19 134	1 947.7	1985	89 12
80	1.30	0.120	0.07	0.70	122	840	72	19 686	1 957.7	1983	90 12 - GPP
1 465					129	798	73	16 788	1 905.6	1982	90 08
590	4.90	0.100	0.17	0.71							
875	7.00	0.102	0.17	0.71							
64	1.00	0.050	0.50	0.71	129	797	73	15 099	1 901.9	1983	84 01
64	3.81	0.107	0.30	0.71	129	825	73	15 866	1 921.4	1984	89 12
64	2.70	0.120	0.13	0.71	129	797	73	16 905	1 922.8	1985	92 10
64	2.00	0.090	0.19	0.71	129	807	73	17 461	1 962.0	1985	85 10
64	4.51	0.110	0.36	0.71	129	797	73	16 356	1 898.8	1984	85 08
64	2.00	0.055	0.18	0.65	160	826	65	17 676	1 988.3	1985	92 12 - ABAND 92 08
64	5.74	0.100	0.23	0.71	129	798	73	15 656	1 876.9	1988	88 12
64	3.67	0.119	0.15	0.71	129	798	73	16 075	1 861.3	1988	89 05
64	4.73	0.110	0.25	0.71	129	798	73	16 216	1 885.0	1990	91 12 - GPP
64	1.00	0.110	0.15	0.71	129	797	73	17 469	1 954.9	1990	91 06 - GPP
32	3.00	0.130	0.41	0.80	58	832	55	7 824	1 023.2	1980	92 12
64	1.30	0.110	0.59	0.75	115	898	37	7 073	1 013.2	1989	92 03 - ABAND 91 09
64	6.00	0.100	0.30	0.70	140	760	45	10 184	1 687.0	1984	85 03
64	1.36	0.170	0.29	0.89	36	835	86	23 054	2 138.3	1988	88 12 - GPP
64	3.10	0.190	0.40	0.70	112	827	60	10 344	1 348.2	1978	84 01 - ABAND 86 10
425	3.89	0.180	0.54	0.84	44	871	39	8 170	1 177.2	1974	86 02 - GPP
64	3.00	0.220	0.33	0.84	54	871	40	8 680	1 236.9	1984	85 07 - ABAND 86 12
64	1.23	0.200	0.30	0.75	51	874	35	9 705	1 183.5	1977	82 12 - ABAND 84 11
159	7.77	0.250	0.21	0.82	64	856	45	8 852	1 194.4	1984	90 09 - GPP
64	3.80	0.167	0.38	0.80	55	873	38	8 098	1 187.7	1984	85 10 - GPP
64	2.90	0.190	0.47	0.75	110	870	30	8 172	1 185.5	1984	85 10 - ABAND 86 10
691					66	868	37	9 359	1 241.6	1984	89 12
32	1.40	0.220	0.27	0.82							

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
HALKIRK 038-16W4 (CONTINUED)								
WATER FLOOD AREA	5 683.0	0.17	0.23	966.0	1 307.0	2 273.0		
UPPER MANNVILLE J	960.0	0.10		96.0		96.0	28.2	67.8
UPPER MANNVILLE K	323.0	0.10		32.3		32.3	22.3	10.0
UPPER MANNVILLE N	534.0	0.20		107.0		107.0	6.8	100.2
UPPER MANNVILLE O	39.9	0.10		4.0		4.0	0.2	3.8
UPPER MANNVILLE Q	1 535.0	0.20		307.0		307.0	13.5	293.5
UPPER MANNVILLE R	2 221.0	0.15		333.0		333.0		333.0
LOWER MANNVILLE F	1 160.0	0.10		116.0		116.0	66.6	49.4
LOWER MANNVILLE G	32.0	0.15		4.8		4.8	3.1	1.7
LOWER MANNVILLE J	300.0	0.20		60.0		60.0	46.6	13.4
LOWER MANNVILLE L	108.0	0.10		10.8		10.8	7.8	3.0
LOWER MANNVILLE M	115.0	0.10		11.5		11.5	3.9	7.6
LOWER MANNVILLE N	32.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE O	43.4	<0.02		0.7		0.7	0.7	
LOWER MANNVILLE P	137.0	0.15		20.6		20.6	2.7	17.9
LOWER MANNVILLE Q	218.0	0.10		21.8		21.8	2.0	19.8
CAMROSE A	203.0	<0.02		3.2		3.2	3.2	
CAMROSE B	152.0	<0.08		11.1		11.1	11.1	
CAMROSE C	100.0	0.15		15.0		15.0	9.4	5.6
CAMROSE D	85.2	<0.01		0.4		0.4	0.4	
FIELD TOTAL	16 465.2			2 491.9	1 927.0	4 418.9	1 943.3	2 475.6
HALKIRK EAST 040-13W4								
VIKING A	273.0	0.10		27.3		27.3	11.6	15.7
VIKING B	231.0	0.10		23.1		23.1	14.1	9.0
VIKING C	52.9	<0.01		0.2		0.2	0.2	
VIKING D	877.0	0.02		17.5		17.5	7.1	10.4
VIKING E	91.2	0.10		9.1		9.1	5.1	4.0
VIKING F	86.4	<0.01		0.1		0.1	0.1	
VIKING G	49.1	<0.01		0.3		0.3	0.3	
GLAUCONITIC A	186.0	<0.01		1.8		1.8	1.8	
GLAUCONITIC B	206.0	<0.01		0.3		0.3	0.3	
GLAUCONITIC C	232.0	<0.01		1.9		1.9	1.9	
GLAUCONITIC D	332.0	0.10		33.2		33.2	5.2	28.0
OSTRACOD A	50.7	0.10		5.1		5.1	0.9	4.2
ELLERSLIE A	1 254.0	0.30		376.0		376.0	191.1	184.9
ELLERSLIE B	679.0	0.40		272.0		272.0	225.8	46.2
ELLERSLIE C	279.0	0.10		27.9		27.9	0.8	27.1
ELLERSLIE D	124.0	0.10		12.4		12.4	0.6	11.8
ELLERSLIE E	1 025.0	0.40		410.0		410.0	239.2	170.8
ELLERSLIE F	947.0	0.40		379.0		379.0	279.7	99.3
ELLERSLIE G	528.0	0.25		132.0		132.0	67.1	64.9
ELLERSLIE H	52.0	0.25		13.0		13.0	8.8	4.2
ELLERSLIE I	410.0	0.40		164.0		164.0	154.9	9.1
ELLERSLIE J	106.0	0.30		31.8		31.8	22.6	9.2
ELLERSLIE K	3.3	0.02		0.1		0.1	0.1	
ELLERSLIE L	100.0	0.40		40.0		40.0	10.3	29.7
ELLERSLIE M	126.0	0.10		12.6		12.6	2.7	9.9
ELLERSLIE O	49.1	0.30		14.7		14.7	3.3	11.4
ELLERSLIE Q	158.0	<0.07		9.7		9.7	9.7	
FIELD TOTAL	8 507.7			2 015.1		2 015.1	1 265.3	749.8
HAMELIN CREEK 080-06W6								
TRIASSIC A	728.0	0.12		87.4		87.4	73.0	14.4
TRIASSIC B	173.0	0.10		17.3		17.3	4.8	12.5
FIELD TOTAL	901.0			104.7		104.7	77.8	26.9
HANNA 031-14W4								
UPPER MANNVILLE B	105.0	0.10		10.5		10.5	3.5	7.0
LOWER MANNVILLE A	297.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	402.0			10.8		10.8	3.8	7.0
HARMATTAN EAST 032-03W5								
CARDIUM A	159.0	<0.01		0.2		0.2	0.2	
CARDIUM B	152.0	<0.01		0.2		0.2	0.2	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
659	6.58	0.222	0.28	0.82							- GPP
205	3.80	0.220	0.30	0.80	64	868	48	9 318	1 205.6	1985	87 08 - GPP
64	4.50	0.200	0.30	0.80	61	867	35	9 371	1 231.5	1986	86 08 - GPP
105	3.50	0.230	0.23	0.82	67	847	48	9 770	1 272.6	1991	92 11
16	1.50	0.250	0.19	0.82	74	865	46	10 110	1 269.6	1991	92 04 - GPP
235	5.27	0.210	0.28	0.82	67	846	48	9 769	1 262.7	1991	92 11
320	4.60	0.230	0.20	0.82	67	846	48	9 492	1 256.1	1991	92 09
448	3.39	0.180	0.47	0.80	98	843	37	8 910	1 201.5	1974	84 05 - GPP
64	0.92	0.160	0.60	0.85	64	852	48	8 704	1 180.1	1977	91 12 - GPP
191	1.29	0.220	0.31	0.80	74	867	37	8 856	1 247.1	1984	88 12
64	2.20	0.160	0.40	0.80	66	868	36	8 963	1 228.8	1986	87 01 - GPP
64	2.00	0.160	0.30	0.80	74	867	37	9 092	1 225.1	1986	87 02 - GPP
32	1.40	0.140	0.40	0.85	64	867	48	9 028	1 251.5	1987	87 07
16	2.80	0.170	0.33	0.85	64	852	48	8 942	1 256.1	1987	92 10
64	2.00	0.180	0.30	0.85	64	854	48	8 752	1 263.5	1986	86 12
64	2.80	0.220	0.35	0.85	64	852	48	9 100	1 219.2	1990	91 07
64	7.00	0.070	0.19	0.80	36	868	53	9 737	1 395.5	1984	89 12 - ABAND 92 05
32	9.10	0.075	0.13	0.80	36	878	53	10 153	1 431.1	1984	89 12 - ABAND 89 10
22	10.36	0.061	0.20	0.90	84	882	53	9 883	1 376.9	1983	92 04 - GPP
64	3.40	0.067	0.35	0.90	36	845	42	9 572	1 369.0	1985	89 12 - ABAND 92 08
192	1.55	0.170	0.42	0.93	26	850	33	5 909	829.6	1982	82 11 - GPP
192	1.42	0.160	0.43	0.93	27	850	33	6 532	836.8	1982	86 11 - GPP
64	0.90	0.170	0.40	0.90	37	854	33	5 757	828.5	1982	82 11
192	3.70	0.214	0.38	0.93	26	851	34	5 978	829.0	1973	85 12 - GPP
64	2.00	0.150	0.50	0.95	24	858	33	5 497	834.5	1982	83 05 - GPP
64	2.00	0.150	0.50	0.90	37	858	33	5 880	834.2	1982	83 05 - ABAND 89 08
64	1.00	0.150	0.45	0.93	22	838	38	5 606	829.8	1984	89 12 - ABAND 89 10
32	5.76	0.160	0.30	0.90	37	880	35	7 450	1 030.9	1983	92 11
128	2.00	0.190	0.47	0.80	52	855	39	7 200	973.3	1984	92 10
64	3.00	0.200	0.33	0.90	38	875	37	7 479	969.8	1986	87 05 - ABAND 90 04
64	3.90	0.190	0.24	0.92	35	875	34	7 268	987.0	1988	88 12 - GPP
32	1.00	0.240	0.32	0.97	30	847	36		973.1	1991	92 11 - GPP
132	5.81	0.236	0.23	0.90	42	896	32	6 958	1 002.7	1972	89 12 - GPP
84	4.88	0.242	0.24	0.90	43	870	35	6 820	997.2	1983	91 12 - GPP
64	2.50	0.260	0.21	0.85	66	885	31	7 215	1 046.4	1984	84 12
64	1.60	0.200	0.33	0.90	36	829	39	6 711	1 003.3	1987	87 05 - GPP
129	5.89	0.211	0.29	0.90	36	865	39	6 612	996.3	1986	89 12 - GPP
76	7.36	0.236	0.22	0.92	48	897	37	6 459	987.2	1987	89 08 - GPP
113	3.85	0.210	0.32	0.85	62	885	35	6 549	986.3	1987	92 09 - GPP
8	4.30	0.210	0.20	0.90	42	896	32	6 873	1 003.5	1983	89 12 - GPP
27	7.74	0.256	0.15	0.90	42	896	32	6 905	995.0	1985	89 12 - GPP
8	8.65	0.226	0.25	0.90	42	896	32	7 500	988.7	1984	89 12 - GPP
4	0.50	0.260	0.28	0.90	42	896	32	7 420	959.4	1985	88 09 - GPP
16	4.94	0.206	0.33	0.92	16	909	34	6 268	982.6	1988	89 08 - GPP
32	3.50	0.190	0.35	0.91	37	899	35	7 246	1 025.4	1989	90 10
16	2.72	0.210	0.41	0.91	37	899	35	6 711	993.2	1990	92 01 - GPP
16	5.06	0.280	0.25	0.93	48	865	35	7 326	1 036.3	1959	75 12 - ABAND 69 07
192	3.02	0.190	0.25	0.88	50	835	50	11 322	1 186.0	1980	92 12 - GPP
64	2.44	0.195	0.34	0.86	58	834	50	10 847	1 152.8	1988	88 12 - GPP
64	2.00	0.180	0.50	0.91	37	853	31	8 008	1 136.5	1981	82 06 - GPP
65	3.05	0.250	0.30	0.86	52	865	31	9 310	1 174.4	1970	72 07 - ABAND 72 05
64	3.90	0.100	0.15	0.75	35	806	64	15 292	1 938.2	1979	83 12 - ABAND 84 05
64	4.80	0.141	0.56	0.80	83	815	59	16 170	2 023.5	1979	83 12 - ABAND 90 12

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
HARMATTAN EAST 032-03W5 (CONTINUED)								
CARDIUM C	25.2	0.10		2.5		2.5	1.5	1.0
CARDIUM D	258.0	0.03		7.7		7.7	4.3	3.4
CARDIUM E	74.9	0.05		3.7		3.7	1.3	2.4
VIKING C	243.0	0.10		24.3		24.3	9.3	15.0
VIKING E TOTAL	6 528.0			759.0	1 230.0	1 989.0	1 216.6	772.4
PRIMARY AREA	1 184.0	0.10		118.0		118.0		
WATER FLOOD AREA	5 344.0	0.12	0.23	641.0	1 230.0	1 871.0		
VIKING J	77.5	0.05		3.9		3.9	0.6	3.3
VIKING K	106.0	0.10		10.6		10.6	1.1	9.5
BLAIRMORE	288.0	<0.09		24.8		24.8	24.8	
NORDEGG A	136.0	<0.01		1.2		1.2	1.2	
RUNDLE TOTAL	32 880.0			9 847.0	2 865.0	12 710.0	11 159.1	1 550.9
PRIMARY AREA	186.0	0.20		37.2		37.2		
SOLVENT FLOOD AREA	8 997.0	0.30	0.13	2 700.0	1 206.0	3 906.0		
WATER FLOOD AREA	23 700.0	0.30	0.07	7 110.0	1 659.0	8 769.0		
RUNDLE D	308.0	0.10		30.8		30.8	11.7	19.1
FIELD TOTAL	41 235.6			10 715.9	4 095.0	14 808.9	12 431.9	2 377.0
HARMATTAN-ELKTON 031-04W5								
BELLY RIVER A	137.0	<0.01		0.1		0.1	0.1	
CARDIUM A	50.0	0.12		6.0		6.0	5.7	0.3
CARDIUM B	117.0	0.10		11.7		11.7	1.1	10.6
VIKING A	72.5	<0.01		0.3		0.3	0.3	
RUNDLE B	113.0	<0.08		8.9		8.9	8.9	
RUNDLE C	29 900.0	0.40		11 960.0		11 960.0	10 787.5	1 172.5
FIELD TOTAL	30 389.5			11 987.0		11 987.0	10 803.6	1 183.4
HARD 106-08W6								
KEG RIVER A	370.0	<0.01		2.0		2.0	2.0	
FIELD TOTAL *	370.0			2.0		2.0	2.0	
HAYNES 038-24W4								
D-2 B	209.0	0.05		10.5		10.5	0.8	9.7
D-2 A & D-3 A	2 512.0	0.25		628.0		628.0	412.4	215.6
D-3 B	389.0	0.30		117.0		117.0	33.3	83.7
FIELD TOTAL	3 110.0			755.5		755.5	446.5	309.0
HERCULES 050-24W4								
WABAMUN A	225.0	0.10		22.5		22.5	8.7	13.8
WABAMUN B	67.3	0.05		3.4		3.4	1.3	2.1
FIELD TOTAL	292.3			25.9		25.9	10.0	15.9
HERRONTON 019-25W4								
TURNER VALLEY A	466.0	0.05		23.3		23.3	2.5	20.8
TURNER VALLEY B	412.0	0.10		41.2		41.2	6.0	35.2
FIELD TOTAL	878.0			64.5		64.5	8.5	56.0
HIGH PRAIRIE 073-16W5								
GILWOOD A	480.0	0.25		120.0		120.0	50.4	69.6
GILWOOD B	603.0	0.30		181.0		181.0	71.7	109.3
GILWOOD C	130.0	0.15		19.5		19.5	11.4	8.1
GILWOOD D	98.9	<0.03		2.0		2.0	2.0	
GILWOOD E	95.9	0.20		19.2		19.2	9.1	10.1
GILWOOD F	783.0	0.25		196.0		196.0	60.6	135.4
GILWOOD G	338.0	0.25		84.5		84.5	31.9	52.6
GILWOOD H	141.0	0.20		28.2		28.2	7.1	21.1
GILWOOD I	234.0	0.20		46.8		46.8	21.3	25.5
GILWOOD J	178.0	0.15		26.7		26.7	14.0	12.7
GILWOOD K	115.0	<0.01		1.1		1.1	1.1	
GILWOOD L	76.7	0.25		19.2		19.2	14.1	5.1
GILWOOD M	28.4	0.05		1.4		1.4	0.8	0.6
GILWOOD N	68.3	0.05		3.4		3.4	0.2	3.2
GILWOOD O	122.0	0.10		12.2		12.2	1.2	11.0

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	0.90	0.080	0.30	0.78	80	851	61	16 990	2 051.9	1983	83 07 - GPP
64	4.00	0.150	0.15	0.79	79	785	61	16 550	1 999.0	1981	86 12 - GPP
64	2.50	0.075	0.20	0.78	80	850	61	15 580	1 978.9	1982	86 05 - GPP
64	8.30	0.077	0.30	0.85	60	844	67	17 131	2 350.6	1981	82 06
4 873					58	840	56	10 225	2 189.2	1979	88 03
1 037	1.89	0.104	0.30	0.83							
3 836	2.69	0.096	0.35	0.83							
64	3.88	0.080	0.50	0.78	100	840	51	10 256	2 200.6	1982	83 05
64	4.99	0.078	0.39	0.70	160	790	67	17 167	2 369.8	1982	83 11
65	5.49	0.150	0.17	0.65	177	834	77	28 960	2 451.2	1961	61 09 - GPP
64	7.70	0.075	0.45	0.67	170	820	90	24 850	2 461.6	1980	88 12 - ABAND 86 01
4 711					171	834	85	23 650	2 672.5	1954	90 04 - GPP
64	6.69	0.080	0.19	0.67							
896	12.87	0.137	0.15	0.67							
3 751	8.10	0.137	0.15	0.67							
64	14.10	0.060	0.15	0.67	171	834	85	22 867	2 409.9	1984	84 02 - GPP
64	3.19	0.123	0.40	0.91	32	839	46	13 600	1 670.3	1985	85 11 - ABAND 86 01
64	2.17	0.060	0.25	0.80	80	816	62	20 700	2 392.8	1980	88 12
64	2.50	0.100	0.15	0.86	52	833	79	27 908	2 403.3	1986	87 01
32	6.80	0.060	0.33	0.83	63	840	63	28 595	2 408.0	1990	92 12 - ABAND 92 09
65	2.77	0.126	0.23	0.65	158	825	93	23 650	2 714.9	1962	74 02 - ABAND 72 02
4 491	9.56	0.128	0.20	0.68	172	844	94	25 100	2 782.2	1954	89 12 - GPP
64	16.90	0.060	0.08	0.62	193	807	84	17 628	2 000.3	1982	83 05 - ABAND 86 03
121	5.40	0.060	0.24	0.70	143	823	67	16 294	1 872.7	1990	92 08
1 236	7.75	0.050	0.24	0.69	148	825	61	16 310	1 842.9	1968	92 11
162	5.00	0.080	0.22	0.77	108	822	58	16 537	1 902.6	1990	92 10 - GPP
64	7.90	0.080	0.36	0.87	52	870	47	8 913	1 256.7	1980	81 08 - GPP
16	11.10	0.110	0.59	0.84	60	839	54	9 647	1 270.3	1989	91 03 - GPP
64	8.30	0.150	0.24	0.77	91	842	52	16 335	1 790.1	1989	90 03
64	8.00	0.120	0.22	0.86	35	883	44	14 051	1 788.0	1991	92 01
128	4.58	0.130	0.30	0.90	33	849	81	24 396	2 321.6	1986	88 05 - GPP
181	4.35	0.145	0.40	0.88	43	840	81	24 503	2 303.6	1987	90 02 - GPP
32	4.99	0.156	0.40	0.87	36	835	86	24 664	2 316.3	1987	90 12 - GPP
32	3.28	0.168	0.37	0.89	36	868	86	23 944	2 241.2	1987	92 10
32	3.30	0.170	0.40	0.89	36	835	86	24 480	2 327.8	1987	91 12 - GPP
192	4.62	0.146	0.32	0.89	36	835	86	24 435	2 311.2	1987	88 12
128	3.93	0.130	0.42	0.89	36	835	85	23 765	2 242.4	1987	88 05
64	2.54	0.157	0.38	0.89	36	835	75	22 483	2 259.1	1987	88 06 - GPP
64	3.79	0.155	0.30	0.89	36	935	86	23 682	2 272.6	1987	88 08
64	3.94	0.139	0.43	0.89	36	935	80	24 584	2 356.9	1987	89 03
64	2.00	0.160	0.37	0.89	36	835	86	23 687	2 259.8	1988	89 03 - ABAND 90 07
64	2.20	0.120	0.49	0.89	36	835	86	23 665	2 319.3	1988	89 03
64	0.83	0.120	0.50	0.89	36	835	86	24 544	2 302.4	1988	89 10 - GPP
64	2.00	0.120	0.50	0.89	36	835	86	24 480	2 320.0	1988	89 11 - GPP
32	4.79	0.170	0.47	0.88	43	840	97	24 028	2 303.0	1989	90 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
HIGH PRAIRIE 073-16W5 (CONTINUED) FIELD TOTAL	3 492.2			761.2		761.2	296.9	464.3
HIGH RIVER 018-30W4 WABAMUN A	200.0	<0.06		10.5		10.5	10.5	
FIELD TOTAL	200.0			10.5		10.5	10.5	
HIGHVALE 051-04W5 CARDIUM C	2 456.0	0.13		319.0		319.0	262.3	56.7
CARDIUM D	605.0	0.10		60.5		60.5	23.1	37.4
CARDIUM G	236.0	0.10		23.6		23.6	2.2	21.4
LOWER MANNVILLE A	4 813.0			265.0	221.0	486.0	365.8	120.2
TOTAL								
PRIMARY AREA	2 363.0	0.05		118.0		118.0		
WATER FLOOD AREA	2 450.0	0.06	0.09	147.0	221.0	368.0		
LOWER MANNVILLE B	172.0	<0.07		12.0		12.0	12.0	
LOWER MANNVILLE D	102.0	0.10		10.2		10.2	6.0	4.2
LOWER MANNVILLE I	131.0	<0.03		3.4		3.4	3.4	
LOWER MANNVILLE J	102.0	<0.04		3.3		3.3	3.3	
LOWER MANNVILLE P	244.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE R	590.0	0.10		59.0		59.0	36.3	22.7
LOWER MANNVILLE S	135.0	0.10		13.5		13.5	2.8	10.7
LOWER MANNVILLE T	201.0	0.05		10.1		10.1	2.5	7.6
LOWER MANNVILLE U	605.0	0.10		60.5		60.5	19.1	41.4
LOWER MANNVILLE V	74.1	0.10		7.4		7.4	4.2	3.2
NORDEGG E	73.7	<0.01		0.3		0.3	0.3	
NORDEGG D & BANFF H	7 118.0	0.05		356.0		356.0	173.7	182.3
NORDEGG F & BANFF R	7 733.0	0.02		14.7		14.7	5.5	9.2
BANFF A	3 544.0	0.08		284.0		284.0	190.6	93.4
BANFF B	287.0	0.05		14.4		14.4	8.8	5.6
BANFF E	553.0	0.05		27.7		27.7	4.3	23.4
BANFF F	375.0	<0.01		1.0		1.0	1.0	
BANFF K	80.9	<0.01		0.1		0.1	0.1	
BANFF M	536.0	0.04		21.4		21.4	9.4	12.0
BANFF P	371.0	0.12		44.5		44.5	36.7	7.8
BANFF S	208.0	<0.01		1.7		1.7	1.7	
BANFF T	190.0	0.05		9.5		9.5	3.0	6.5
FIELD TOTAL	24 535.7			1 622.9	221.0	1 843.9	1 178.2	665.7
HILLSDOWN 037-25W4 D-2 A	263.0	0.05		13.2		13.2	8.4	4.8
D-2 B	308.0	0.15		46.2		46.2	44.3	1.9
D-2 C	198.0	0.05		9.9		9.9	6.9	3.0
D-3 A	112.0	<0.02		1.3		1.3	1.3	
FIELD TOTAL	881.0			70.6		70.6	60.9	9.7
HOMEGLLEN-RIMBEY 043-01W5 ELLERSLIE A	156.0	<0.01		0.1		0.1	0.1	
PEKISKO A	334.0	0.10		33.4		33.4	7.7	25.7
D-3	14 900.0	0.09		1 341.0		1 341.0	1 305.0	36.0
D-3 B	700.0	0.20		140.0		140.0	83.2	56.8
D-3 C	161.0	0.05		8.1		8.1	6.5	1.6
FIELD TOTAL	16 251.0			1 522.6		1 522.6	1 402.5	120.1
HONEYSUCKLE 046-26W4 BELLY RIVER A & B	358.0	0.05		17.9		17.9	0.1	17.8
UPPER MANNVILLE B	231.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	589.0			18.0		18.0	0.2	17.8
HOOKEK 015-29W4 JURASSIC A	95.3	0.11		10.5		10.5	9.3	1.2
JURASSIC B	146.0	0.10		14.6		14.6	5.8	8.8
FIELD TOTAL	241.3			25.1		25.1	15.1	10.0

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	4.00	0.150	0.20	0.65	190	825	91	28 614	2 935.2	1956	75 12 - ABAND 71 07
1 848	1.26	0.140	0.19	0.93	22	871	39	15 391	1 141.7	1980	90 12 - GPP
600	1.16	0.110	0.15	0.93	22	871	39	15 392	1 132.6	1981	90 05
64	3.30	0.150	0.20	0.93	28	874	38	12 899	1 090.9	1984	84 10
4 098					84	870	53	17 305	1 591.0	1976	91 12
2 720	1.07	0.150	0.34	0.82							
1 378	2.19	0.150	0.34	0.82							- GPP
64	3.60	0.140	0.35	0.82	90	855	54	16 962	1 583.0	1979	92 10
64	1.85	0.150	0.30	0.82	86	870	56	16 168	1 586.5	1978	81 10 - GPP
64	1.80	0.180	0.23	0.82	84	865	43	14 959	1 516.9	1980	89 12
64	2.50	0.120	0.35	0.82	68	862	50	16 484	1 625.8	1982	89 12
64	5.95	0.130	0.40	0.82	82	882	56	14 416	1 597.0	1983	84 10 - ABAND 85 05
192	3.02	0.170	0.27	0.82	82	882	56	15 770	1 572.0	1985	88 02
64	2.40	0.165	0.35	0.82	82	870	56	16 730	1 567.2	1983	85 12 - GPP
64	3.00	0.150	0.15	0.82	82	882	56	14 087	1 492.2	1985	87 12
100	5.29	0.170	0.18	0.82	82	850	56	15 514	1 508.0	1985	90 12
64	0.80	0.210	0.16	0.82	82	882	56	14 579	1 512.4	1983	83 12
64	3.20	0.080	0.40	0.75	108	880	55	17 088	1 568.4	1979	92 10
1 116	6.96	0.200	0.42	0.79	102	869	54	17 506	1 623.4	1981	91 12 - GPP
192	4.63	0.167	0.39	0.81	112	889	57	16 700	1 576.6	1981	90 02
464	7.50	0.180	0.31	0.82	117	870	60	16 990	1 592.0	1978	90 09 - GPP
64	4.05	0.220	0.33	0.75	117	870	60	16 840	1 580.1	1977	80 01 - GPP
64	7.03	0.200	0.25	0.82	89	870	60	17 297	1 610.4	1978	92 10
64	8.00	0.122	0.25	0.80	88	870	57	18 550	1 627.5	1981	85 12 - ABAND 85 12
64	2.00	0.150	0.48	0.81	88	866	56	15 107	1 494.9	1983	83 10 - ABAND 83 09
64	7.42	0.215	0.36	0.82	117	870	60	16 010	1 577.9	1977	85 05 - GPP
64	4.59	0.220	0.30	0.82	117	870	60	16 208	1 557.5	1980	85 05
64	3.72	0.152	0.30	0.82	10	865	27	17 290	1 633.0	1979	89 12
32	6.38	0.190	0.41	0.83	85	851	56	17 475	1 662.0	1987	88 11 - GPP
128	6.52	0.060	0.28	0.73	141	826	64	15 396	1 972.6	1978	84 12 - GPP
192	6.19	0.050	0.30	0.74	158	828	77	18 330	2 016.0	1961	81 12 - GPP
64	10.90	0.058	0.30	0.70	130	815	69	18 379	2 061.4	1985	89 12 - GPP
64	4.00	0.080	0.17	0.66	181	808	21	15 159	2 090.9	1985	86 05 - ABAND 87 02
64	2.70	0.150	0.25	0.80	60	898	53	11 721	1 752.0	1980	83 12
64	11.20	0.075	0.27	0.85	60	825	65	15 423	1 885.3	1985	85 12
4 563	7.56	0.077	0.15	0.66	165	811	83	19 550	2 415.5	1953	89 12 - GPP
105	12.20	0.100	0.30	0.78	159	810	83	19 608	2 390.4	1983	90 12
32	12.60	0.090	0.33	0.66	160	820	83	18 481	2 389.5	1985	90 12 - GPP
32	9.59	0.190	0.31	0.89	50	848	36	4 500	586.3	1991	91 10 - GPP
32	13.70	0.110	0.43	0.84	58	910	65	11 660	1 419.9	1990	92 10 - ABAND 92 08
64	2.01	0.105	0.15	0.83	120	880	72	27 714	2 790.8	1980	92 12 - GPP
64	3.85	0.110	0.35	0.83	63	880	66	36 897	2 947.5	1980	81 06 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
HOTCHKISS 093-25W5								
GILWOOD A	660.0	0.20		132.0		132.0	15.5	116.5
FIELD TOTAL	660.0			132.0		132.0	15.5	116.5
HUSSAR 025-20W4								
VIKING N	113.0	<0.05		5.3		5.3	5.3	
GLAUCONITIC A	6 980.0	0.50		3 490.0		3 490.0	3 343.1	146.9
GLAUCONITIC B	1 300.0	0.03		39.0		39.0	29.9	9.1
GLAUCONITIC C	37.0	<0.06		2.1		2.1	2.1	
GLAUCONITIC E	842.0	0.07		58.9		58.9	52.1	6.8
GLAUCONITIC F	74.0	0.06		4.4		4.4	4.4	
GLAUCONITIC G	926.0	0.06		55.6		55.6	55.3	0.3
GLAUCONITIC H	108.0	<0.08		8.1		8.1	8.1	
GLAUCONITIC J	263.0	0.10		26.3		26.3	16.1	10.2
GLAUCONITIC K	119.0	<0.04		4.6		4.6	4.6	
GLAUCONITIC U	155.0	0.15		23.3		23.3	21.9	1.4
GLAUCONITIC X	227.0	0.10		22.7		22.7	15.1	7.6
GLAUCONITIC BB	636.0	0.10		63.6		63.6	54.4	9.2
GLAUCONITIC DD	219.0	0.04		8.8		8.8	7.2	1.6
GLAUCONITIC SS	173.0	<0.01		0.3		0.3	0.3	
GLAUCONITIC VV	216.0	0.10		21.6		21.6	10.7	10.9
GLAUCONITIC YY	221.0	<0.02		2.8		2.8	2.8	
GLAUCONITIC FFF	32.6	<0.07		2.0		2.0	2.0	
GLAUCONITIC NNN	632.0	0.05		31.6		31.6	14.0	17.6
GLAUCONITIC RRR	90.9	0.01		0.9		0.9	0.8	0.1
GLAUCONITIC SSS	1 173.0	0.10		117.0		117.0	98.5	18.5
GLAUCONITIC TTT	55.3	0.10		5.5		5.5	3.8	1.7
GLAUCONITIC VVV	71.9	<0.01		0.1		0.1	0.1	
GLAUCONITIC B2B	71.8	<0.03		1.5		1.5	1.5	
GLAUCONITIC H2H	104.0	0.10		10.4		10.4	2.8	7.6
GLAUCONITIC L2L	170.0	0.05		8.5		8.5	3.7	4.8
GLAUCONITIC M2M	190.0	0.05		9.5		9.5	1.5	8.0
OSTRACOD C	79.5	0.02		1.6		1.6	1.6	
OSTRACOD H	48.7	0.01		0.5		0.5	0.5	
OSTRACOD P	125.0	<0.10		11.7		11.7	11.7	
OSTRACOD X	158.0	0.05		7.9		7.9	4.8	3.1
OSTRACOD BB	54.6	<0.01		0.3		0.3	0.3	
OSTRACOD CC	111.0	<0.07		7.1		7.1	7.1	
OSTRACOD FF	88.7	0.10		8.9		8.9	5.2	3.7
OSTRACOD GG	55.7	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE A	105.0	<0.04		3.6		3.6	3.6	
BASAL MANNVILLE C	222.0	0.10		22.2		22.2	18.0	4.2
BASAL MANNVILLE E	212.0	<0.02		2.8		2.8	2.8	
BASAL MANNVILLE G	229.0	0.05		11.5		11.5	0.9	10.6
BASAL MANNVILLE H	281.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE L	35.1	<0.08		2.7		2.7	2.7	
BASAL MANNVILLE M	300.0	0.10		30.0		30.0	28.0	2.0
BASAL MANNVILLE N	318.0	0.08		25.4		25.4	24.0	1.4
BASAL MANNVILLE O	1 910.0	0.10	0.05	191.0	95.5	287.0	217.8	69.2
WATER FLOOD								
BASAL MANNVILLE P	250.0	<0.05		12.3		12.3	12.3	
BASAL MANNVILLE Q	953.0	0.06		57.2		57.2	55.6	1.6
BASAL MANNVILLE Y	175.0	0.10		17.5		17.5	15.2	2.3
BASAL MANNVILLE KK	75.2	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE OO	1 093.0	0.08		87.4		87.4	63.2	24.2
BASAL MANNVILLE QQ	113.0	0.05		5.7		5.7	0.7	5.0
BASAL MANNVILLE SS	163.0	<0.02		1.9		1.9	1.9	
BASAL MANNVILLE UU	71.7	0.05		3.6		3.6	0.8	2.8
BASAL MANNVILLE I&Z	276.0	0.14		38.6		38.6	34.4	4.2
BASAL MANNVILLE AAA	1 228.0	0.02		24.6		24.6	10.5	14.1
BASAL QUARTZ B	221.0	0.10		22.1		22.1	3.0	19.1
PEKISKO B	143.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	24 295.7			4 623.2	95.5	4 719.2	4 289.4	429.8
HUTCH 112-22W5								
SLAVE POINT A	81.0	<0.02		0.9		0.9	0.9	
SLAVE POINT B	152.0	<0.01		1.4		1.4	1.4	
SLAVE POINT C	65.8	<0.01		0.2		0.2	0.2	
SLAVE POINT D	80.2	<0.01		0.1		0.1		0.1
SLAVE POINT E	42.0	<0.01		0.1		0.1		0.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	10.84	0.140	0.20	0.85	53	832	77	20 890	2 152.0	1991	91 12
64	1.83	0.190	0.40	0.85	58	850	39	8 292	1 243.9	1963	92 07 - ABAND 68 10
675	7.07	0.210	0.14	0.81	82	844	46	10 400	1 454.2	1957	90 12 - GPP
192	5.31	0.210	0.25	0.81	81	860	46	10 070	1 424.6	1956	79 12 - GPP
16	1.83	0.200	0.21	0.80	82	860	45	10 140	1 425.9	1958	64 04
90	6.11	0.225	0.16	0.81	78	849	41	10 000	1 367.0	1959	79 12 - GPP
32	1.83	0.200	0.21	0.80	83	860	40	10 380	1 341.7	1959	64 04 - ABAND 68 07
209	2.96	0.221	0.23	0.88	80	860	41	9 890	1 369.2	1960	83 12 - GPP
21	3.70	0.210	0.18	0.80	80	860	44	10 000	1 407.3	1962	79 01 - ABAND 78 11
192	1.86	0.140	0.36	0.82	80	838	44	10 418	1 428.6	1977	82 05 - GPP
65	1.43	0.200	0.20	0.80	80	860	43	9 960	1 423.4	1959	83 12 - GPP
163	0.91	0.150	0.14	0.81	80	860	36	10 070	1 399.9	1964	87 12 - GPP
65	2.74	0.210	0.25	0.81	62	839	46	10 030	1 433.5	1960	77 04 - GPP
177	3.05	0.210	0.30	0.80	82	844	44	10 330	1 416.4	1963	69 08 - GPP
64	3.07	0.170	0.18	0.80	80	860	43	9 790	1 396.3	1968	89 12 - GPP
64	3.00	0.150	0.25	0.80	66	857	40	10 240	1 408.0	1979	81 12
64	4.40	0.160	0.40	0.80	88	860	49	10 741	1 461.8	1978	80 02 - GPP
128	2.75	0.140	0.44	0.80	72	849	43	10 513	1 407.3	1979	88 12
64	0.70	0.140	0.35	0.80	86	847	43	10 441	1 403.7	1980	89 12
117	7.59	0.140	0.38	0.82	56	856	45	9 795	1 392.0	1979	89 12 - GPP
16	5.50	0.210	0.40	0.82	56	857	45	11 572	1 485.3	1982	92 12
708	1.53	0.202	0.33	0.80	86	860	44	9 980	1 428.0	1960	83 06 - GPP
64	1.00	0.180	0.40	0.80	86	860	44	9 915	1 447.3	1979	83 06 - GPP
64	1.40	0.150	0.34	0.81	79	847	46	11 506	1 380.2	1980	84 01
64	1.50	0.170	0.45	0.80	82	844	43	10 292	1 386.1	1984	84 12 - ABAND 88 07
64	2.00	0.190	0.48	0.82	56	857	45	9 963	1 426.0	1980	86 10 - GPP
64	2.90	0.200	0.44	0.82	56	857	45	9 678	1 384.7	1990	91 12 - GPP
64	5.50	0.140	0.53	0.82	56	857	45	9 695	1 337.4	1990	91 09
64	0.76	0.230	0.10	0.79	82	860	54	10 270	1 441.7	1958	68 03 - ABAND 61 09
16	2.44	0.200	0.21	0.79	82	860	46	10 270	1 397.2	1959	68 03 - ABAND 63 04
64	1.23	0.230	0.15	0.81	62	860	49	10 170	1 398.7	1965	81 12 - ABAND 88 05
64	2.16	0.250	0.42	0.79	64	865	37	10 100	1 291.7	1977	88 12 - GPP
64	1.50	0.160	0.55	0.79	80	857	54	9 808	1 469.0	1980	83 01 - ABAND 82 10
64	2.00	0.180	0.40	0.80	56	857	41	9 358	1 399.9	1980	92 10
64	1.30	0.180	0.26	0.80	84	841	40	9 955	1 430.4	1984	85 05 - GPP
64	1.00	0.200	0.50	0.87	50	854	38	9 784	1 279.5	1984	85 07 - ABAND 85 12
33	2.13	0.220	0.14	0.80	82	849	46	10 340	1 429.8	1957	68 03 - ABAND 63 07
64	2.74	0.200	0.21	0.80	82	849	47	10 340	1 467.3	1952	71 03 - GPP
32	6.40	0.168	0.23	0.80	82	849	44	10 140	1 418.5	1959	64 04 - ABAND 63 04
33	5.79	0.200	0.25	0.80	82	849	43	10 340	1 399.9	1960	92 01 - GPP
32	7.32	0.200	0.25	0.80	82	849	43	10 000	1 417.3	1960	68 03 - ABAND 61 12
16	1.83	0.200	0.25	0.80	82	849	46	10 310	1 499.3	1958	77 07 - GPP
146	2.16	0.170	0.30	0.80	82	849	44	10 170	1 417.9	1964	82 12 - GPP
133	2.13	0.200	0.30	0.80	82	849	42	10 200	1 421.3	1964	83 12 - GPP
357	6.13	0.176	0.38	0.80	81	849	44	10 100	1 414.6	1964	84 12 - GPP
65	4.57	0.150	0.30	0.80	82	849	44	10 140	1 426.2	1964	83 12 - ABAND 88 05
317	2.32	0.200	0.19	0.80	82	849	46	10 650	1 457.9	1959	82 12 - GPP
65	2.32	0.200	0.26	0.79	82	849	42	9 860	1 426.8	1959	86 12 - GPP
65	1.83	0.120	0.35	0.81	84	849	44	10 200	1 409.7	1969	70 08
144	11.40	0.160	0.48	0.80	61	877	37	10 180	1 440.9	1977	89 12 - GPP
64	2.00	0.170	0.35	0.80	82	840	43	11 256	1 520.0	1979	80 11 - GPP
16	11.50	0.170	0.35	0.80	63	865	39	8 727	1 499.7	1980	92 11 - GPP
64	2.00	0.140	0.50	0.80	84	857	42	10 676	1 481.9	1980	90 07 - GPP
50	4.78	0.190	0.24	0.80	84	849	38	10 340	1 441.7	1955	90 12 - GPP
128	12.46	0.150	0.41	0.87	52	861	49	9 995	1 417.3	1985	88 08 - GPP
64	4.80	0.180	0.50	0.80	70	870	30	9 714	1 335.8	1981	83 02 - GPP
64	5.00	0.080	0.32	0.82	75	854	47	10 169	1 441.5	1980	81 10 - ABAND 83 02
16	12.50	0.060	0.25	0.90	28	865	56	9 851	1 128.2	1985	90 12
16	18.57	0.072	0.21	0.90	42	883	40	9 659	1 126.8	1986	90 12
16	7.77	0.098	0.40	0.90	34	883	51	9 747	1 106.5	1987	90 12
16	10.80	0.067	0.23	0.90	36	867	39	9 901	1 136.3	1987	90 12 - ABAND 89 01
16	4.15	0.090	0.22	0.90	34	875	50	6 382	1 135.5	1987	90 12

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 10 ³ m ³	2 3		4 5 6			7 CUMULATIVE PRODUCTION 10 ³ m ³	8 REMAINING ESTABLISHED RESERVES 10 ³ m ³
		RECOVERY		INITIAL ESTABLISHED RESERVES				
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
		frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³		
HUTCH 112-22W5 (CONTINUED) FIELD TOTAL	421.0			2.7		2.7	2.5	0.2
HUXLEY 034-24W4 LOWER MANNVILLE B	292.0	0.05		14.6		14.6	6.4	8.2
LOWER MANNVILLE C	155.0	0.03		4.7		4.7	2.4	2.3
FIELD TOTAL	447.0			19.3		19.3	8.8	10.5
HYTHE 073-09W6 HALFWAY A	409.0	0.10		40.9		40.9	10.2	30.7
HALFWAY B	119.0	0.10		11.9		11.9	6.6	5.3
HALFWAY C	330.0	0.10		33.0		33.0	11.5	21.5
HALFWAY D	121.0	0.10		12.1		12.1	2.3	9.8
HALFWAY E	266.0	0.10		26.6		26.6	2.2	24.4
HALFWAY F	419.0	0.05		21.0		21.0	12.5	8.5
FIELD TOTAL	1 664.0			145.5		145.5	45.3	100.2
INNISFAIL 034-01W5 BELLY RIVER A	844.0	0.05		42.2		42.2	10.0	32.2
BELLY RIVER B	267.0	<0.01		0.2		0.2	0.2	
BELLY RIVER C	295.0	0.05		14.8		14.8	4.9	9.9
BLAIRMORE	87.6	<0.06		4.9		4.9	4.9	
D-3	19 700.0	0.68		13 400.0		13 400.0	12 701.7	698.3
FIELD TOTAL	21 193.6			13 462.1		13 462.1	12 721.7	740.4
IOSEGUN 067-20W5 MONTNEY A	41.7	0.30		12.5		12.5		12.5
NISKU A	86.9	0.08		7.0		7.0	5.2	1.8
FIELD TOTAL	128.6			19.5		19.5	5.2	14.3
IRON SPRINGS 011-20W4 BOW ISLAND A	50.4	0.10		5.0		5.0	4.3	0.7
FIELD TOTAL	50.4			5.0		5.0	4.3	0.7
JAYAR 062-03W6 DUNVEGAN A	3 452.0	0.10		345.0		345.0	159.8	185.2
DUNVEGAN B	233.0	0.10		23.3		23.3	19.9	3.4
DUNVEGAN C	229.0	0.10		22.9		22.9	16.3	6.6
DUNVEGAN D	191.0	0.10		19.1		19.1	2.3	16.8
DUNVEGAN E	215.0	0.10		21.5		21.5	3.0	18.5
FIELD TOTAL	4 320.0			431.8		431.8	201.3	230.5
JOAN 091-10W5 GRANITE WASH A	139.0	0.20		27.8		27.8	5.3	22.5
GRANITE WASH B	183.0	<0.02		2.0		2.0	2.0	
FIELD TOTAL	322.0			29.8		29.8	7.3	22.5
JOARCAM 048-21W4 VIKING TOTAL	42 520.0			16 330.0	3 048.0	19 380.0	17 621.6	1 758.4
PRIMARY AREA	15 310.0	0.42		6 430.0		6 430.0		
WATER FLOOD AREA	27 210.0	<0.37	0.11	9 898.0	3 048.0	12 950.0		
VIKING C	115.0	0.06		6.9		6.9	5.9	1.0
VIKING K	11.2	0.01		0.1		0.1	0.1	
WABAMUN A	146.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	42 792.2			16 337.2	3 048.0	19 387.2	17 627.8	1 759.4
JOFFRE 038-26W4 VIKING TOTAL	14 830.0			2 491.0	3 820.0	6 311.0	5 866.2	444.8
PRIMARY AREA	325.0	0.15		48.8		48.8		
SOLVENT FLOOD AREA	1 150.0	0.17	0.38	196.0	440.0	636.0		
WATER FLOOD AREA	13 350.0	<0.17	0.25	2 246.0	3 380.0	5 626.0		
VIKING B	380.0	0.30		114.0		114.0	111.6	2.4
VIKING C	130.0	0.05		6.5		6.5	3.1	3.4
VIKING D	340.0	0.15		51.0		51.0	38.0	13.0

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	4.10	0.160	0.20	0.87	47	875	62	9 785	1 593.7	1988	90 12
64	3.10	0.120	0.25	0.87	47	875	62	9 993	1 578.3	1988	90 12
128	7.14	0.090	0.28	0.69	149	829	64	22 263	2 260.5	1981	83 03 - GPP
64	5.50	0.063	0.20	0.67	155	825	62	21 888	2 203.0	1978	82 12 - GPP
128	5.36	0.093	0.25	0.69	250	827	75	22 360	2 178.8	1981	85 05 - GPP
64	5.45	0.080	0.36	0.68	188	830	62	22 112	2 231.0	1979	86 02 - GPP
64	10.84	0.073	0.24	0.69	149	826	64	22 042	2 221.9	1985	87 05
64	11.62	0.109	0.25	0.69	149	823	64	22 125	2 254.3	1986	92 12 - GPP
128	9.08	0.150	0.45	0.88	36	816	36	8 446	1 208.5	1982	86 12 - GPP
64	6.15	0.140	0.45	0.88	36	815	43	8 326	1 195.4	1983	88 12 - ABAND 85 06
32	11.90	0.160	0.45	0.88	36	876	43	8 438	1 292.8	1983	89 12 - GPP
16	4.88	0.200	0.15	0.66	154	834	78	16 800	2 053.7	1956	64 04
3 034	23.47	0.060	0.13	0.53	300	806	92	24 510	2 615.8	1957	92 12 - GPP
64	1.00	0.110	0.26	0.80	109	854	63	14 857	1 704.7	1990	92 11
64	2.50	0.080	0.13	0.78	95	910	66	31 123	2 583.6	1984	92 09 - GPP
64	0.93	0.150	0.40	0.94	25	876	21	5 558	868.3	1977	85 08 - GPP
758	9.10	0.110	0.30	0.65	185	752	66	23 965	2 330.1	1979	81 12 - GPP
64	7.84	0.102	0.30	0.65	185	752	76	23 910	2 394.0	1981	81 12 - GPP
64	8.73	0.097	0.35	0.65	155	832	74	21 739	2 488.3	1982	82 12
64	7.22	0.091	0.30	0.65	185	825	66	23 962	2 537.6	1981	81 06 - GPP
64	7.83	0.100	0.37	0.68	165	824	66	21 666	2 520.6	1988	88 12 - GPP
64	3.30	0.153	0.50	0.86	48	828	38	15 273	1 481.3	1982	82 06 - GPP
64	3.10	0.165	0.35	0.86	55	830	35	15 643	1 477.7	1982	83 05 - ABAND 89 03
9 035					34	834	36	6 000	990.0	1949	92 12
3 818	3.14	0.197	0.28	0.90							- GPP
5 217	4.17	0.193	0.28	0.90							
128	0.95	0.170	0.38	0.90	45	859	32	5 561	1 000.6	1949	91 12
16	1.30	0.100	0.40	0.90	43	852	34	5 786	994.7	1987	88 08 - ABAND 88 09
64	6.50	0.075	0.45	0.85	64	836	40	7 403	1 188.8	1980	84 12 - GPP
8 219					67	820	51	7 720	1 517.6	1953	92 01 - GPP
539	1.08	0.111	0.38	0.81							
505	4.09	0.111	0.38	0.81							
7 175	3.34	0.111	0.38	0.81							
785	0.83	0.120	0.40	0.81	66	817	56	7 696	1 538.5	1955	85 12 - GPP
128	1.55	0.120	0.34	0.83	70	817	30	8 296	1 603.4	1959	85 08 - GPP
500	1.06	0.120	0.34	0.81	66	817	56	7 842	1 602.3	1981	88 12

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
JOFFRE 038-26W4 (CONTINUED)								
VIKING E	123.0	0.15		18.5		18.5	9.2	9.3
VIKING H	43.9	0.50		22.0		22.0	7.6	14.4
BLAIRMORE A	192.0	<0.04		5.8		5.8	5.8	
BLAIRMORE B	304.0	<0.11		32.8		32.8	32.8	
BLAIRMORE F	76.1	<0.04		2.5		2.5	2.5	
BLAIRMORE L	37.9	0.12		4.5		4.5	3.9	0.6
BLAIRMORE M	35.0	0.10		3.5		3.5	0.4	3.1
BLAIRMORE O	80.2	0.10		8.0		8.0	3.2	4.8
BLAIRMORE P	210.0	0.05		10.5		10.5	0.7	9.8
D-2 TOTAL	28 380.0			8 534.0	1 596.0	10 130.0	7 450.2	2 679.8
PRIMARY AREA	1 780.0	0.30		534.0		534.0		
WATER FLOOD AREA	26 600.0	<0.31	0.06	8 000.0	1 596.0	9 596.0		
D-3 A	30.3	<0.05		1.4		1.4	1.4	
D-3 B SOLVENT FLOOD	2 100.0	0.40	0.38	840.0	798.0	1 638.0	489.3	1 148.7
D-3 C	111.0	0.20		22.2		22.2	0.3	21.9
D-3 D	133.0	<0.01		0.9		0.9	0.9	
FIELD TOTAL	47 536.4			12 169.1	6 214.0	18 383.1	14 027.1	4 356.0
JOHNSON 017-14W4								
DETRITAL A	13.9	<0.02		0.2		0.2	0.2	
FIELD TOTAL *	13.9			0.2		0.2	0.2	
JOSEPHINE 083-09W6								
KISKATINAW B	149.0	<0.01		1.1		1.1	1.1	
FIELD TOTAL	149.0			1.1		1.1	1.1	
JUDY CREEK 063-11W5								
VIKING A	6 000.0	0.15		900.0		900.0	818.3	81.7
VIKING D	307.0	<0.01		0.1		0.1	0.1	
PEKISKO A	115.0	<0.01		0.1		0.1	0.1	
BEAVERHILL LAKE A TOTAL	126 100.0			20 180.0	37 140.0	57 320.0	49 578.7	7 741.3
PRIMARY AREA	100.0	0.18		18.0		18.0		
SOLVENT FLOOD AREA	62 690.0	0.16	0.34	10 030.0	21 310.0	31 340.0		
WATER FLOOD AREA	63 310.0	0.16	0.25	10 130.0	15 830.0	25 960.0		
BEAVERHILL LAKE B TOTAL	43 000.0			8 600.0	11 310.0	19 910.0	16 523.9	3 386.1
SOLVENT FLOOD AREA	12 890.0	0.20	0.34	2 578.0	4 383.0	6 961.0		
WATER FLOOD AREA	30 110.0	0.20	0.23	6 022.0	6 925.0	12 950.0		
BEAVERHILL LAKE C	275.0	0.20		55.0		55.0	31.7	23.3
BEAVERHILL LAKE D	60.8	0.15		9.1		9.1	0.8	8.3
FIELD TOTAL	175 857.8			29 744.3	48 450.0	78 194.3	66 953.6	11 240.7
JUDY CREEK SOUTH 062-11W5								
BEAVERHILL LAKE TOTAL	1 783.0			356.0	259.0	615.0	523.4	91.6
PRIMARY AREA	487.0	0.20		97.4		97.4		
WATER FLOOD AREA	1 296.0	0.20	0.20	259.0	259.0	518.0		
BEAVERHILL LAKE C	1 500.0	0.10		150.0		150.0	106.3	43.7
BEAVERHILL LAKE D	283.0	<0.01		0.6		0.6	0.6	
BEAVERHILL LAKE E	275.0	0.10		27.5		27.5	2.6	24.9
FIELD TOTAL	3 841.0			534.1	259.0	793.1	632.9	160.2
JUMPBUSH 020-19W4								
BOW ISLAND A	219.0	0.10		21.9		21.9	3.4	18.5
UPPER MANNVILLE A	3 230.0	0.20		646.0		646.0	294.2	351.8
UPPER MANNVILLE B	420.0	0.15		63.0		63.0	56.2	6.8
UPPER MANNVILLE E	384.0	0.12		46.1		46.1	38.9	7.2
UPPER MANNVILLE F	265.0	0.10		26.5		26.5	17.9	8.6
UPPER MANNVILLE G	102.0	<0.01		0.8		0.8	0.8	
UPPER MANNVILLE H	400.0	0.20		80.0		80.0	51.8	28.2
UPPER MANNVILLE I	455.0	0.15		68.3		68.3	21.6	46.7
UPPER MANNVILLE J	269.0	0.10		26.9		26.9	11.1	15.8
UPPER MANNVILLE K	58.8	0.10		5.9		5.9	1.9	4.0
UPPER MANNVILLE M	319.0	0.10		31.9		31.9	29.6	2.3

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
128	3.00	0.070	0.43	0.80	99	820	44	9 132	1 559.5	1985	86 08
51	1.20	0.150	0.41	0.81	67	821	56	6 980	1 387.3	1990	92 11 - GPP
32	7.96	0.130	0.28	0.80	71	860	71	14 130	1 754.1	1957	64 04 - ABAND 70 06
162	2.44	0.130	0.25	0.79	76	860	67	14 550	1 733.1	1958	88 12 - ABAND 85 09
65	2.44	0.100	0.40	0.80	84	870	67	14 850	1 723.9	1975	75 12 - ABAND 87 08
64	1.46	0.080	0.35	0.78	91	878	69	14 465	1 733.8	1985	91 12
64	0.90	0.120	0.35	0.78	91	879	69	14 671	1 801.6	1987	88 10 - GPP
64	1.50	0.120	0.14	0.81	79	891	70	13 532	1 831.8	1988	89 10
64	5.00	0.130	0.37	0.80	83	832	54	13 894	1 673.5	1985	91 03 - GPP
11 083					130	815	77	17 510	2 134.2	1956	88 12 - GPP
740	6.78	0.060	0.19	0.73							
10 343	10.40	0.044	0.23	0.73							
64	0.90	0.080	0.10	0.73	110	824	79	15 441	2 212.5	1964	86 01 - ABAND 86 06
62	54.20	0.100	0.12	0.71	140	832	72	16 449	2 159.5	1985	89 09
32	9.00	0.060	0.14	0.75	111	832	74	16 098	2 120.8	1986	91 12
16	14.40	0.090	0.10	0.71	135	829	78	18 460	2 286.7	1987	92 11 - ABAND 89 08
16	1.00	0.220	0.52	0.82	70	888	54	10 652	1 033.0	1983	83 10 - ABAND 83 10
64	4.90	0.097	0.30	0.70	150	904	51	15 130	1 749.7	1975	82 12 - ABAND 87 10
4 210	1.46	0.170	0.34	0.87	48	839	54	9 061	1 409.3	1960	83 05 - GPP
65	4.57	0.170	0.30	0.87	51	849	48	8 360	1 486.2	1977	83 12 - GPP
32	7.50	0.070	0.22	0.88	47	921	61	12 874	1 523.3	1988	89 03 - ABAND 88 12
13 064					122	820	96	24 200	2 650.9	1959	92 12
64	5.25	0.050	0.16	0.71							
4 574	25.53	0.090	0.16	0.71							- GPP
8 426	14.00	0.090	0.16	0.71							- GPP
4 565					184	815	97	24 820	2 695.0	1959	92 12 - GPP
869	31.84	0.092	0.17	0.61							
3 696	17.49	0.092	0.17	0.61							
128	6.96	0.060	0.17	0.62	184	815	97	24 073	2 789.4	1962	87 03 - GPP
64	2.66	0.068	0.26	0.71	131	820	96	24 151	2 543.8	1988	89 05 - GPP
726					229	815	85	24 820	2 723.6	1960	90 12
256	6.45	0.060	0.18	0.60							
470	8.12	0.069	0.18	0.60							- GPP
1 230	3.08	0.068	0.18	0.71	112	815	84	23 170	2 726.1	1960	85 12
128	8.50	0.050	0.35	0.80	176	828	92	24 086	2 699.5	1984	88 12 - ABAND 90 07
64	12.80	0.080	0.40	0.70	131	820	96	24 804	2 662.5	1985	86 06 - GPP
64	4.80	0.140	0.44	0.91	32	860	36	7 397	1 171.2	1991	91 06 - GPP
320	7.10	0.220	0.24	0.85	75	876	41	11 846	1 368.0	1978	92 12 - GPP
142	2.50	0.190	0.25	0.83	73	846	40	11 260	1 337.3	1976	89 10
128	2.10	0.210	0.20	0.85	75	876	41	11 700	1 350.7	1977	91 12 - GPP
64	4.62	0.160	0.30	0.80	93	865	39	11 980	1 344.3	1976	79 07 - GPP
64	1.70	0.180	0.35	0.80	90	865	36	12 521	1 354.5	1980	83 12 - ABAND 87 06
131	2.30	0.200	0.20	0.83	73	846	40	11 260	1 329.0	1972	90 12
64	4.30	0.240	0.18	0.84	72	861	40	11 317	1 303.2	1984	85 04
32	5.00	0.260	0.22	0.83	73	857	40	11 198	1 306.5	1987	91 12
64	0.80	0.180	0.25	0.85	80	871	48	11 832	1 342.1	1987	88 01 - GPP
64	4.00	0.200	0.25	0.83	73	846	40	11 260	1 310.0	1979	89 06 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
JUMPBUSH 020-19W4 (CONTINUED)								
UPPER MANNVILLE N	228.0	0.15		34.2		34.2	9.5	24.7
UPPER MANNVILLE O	99.8	0.15		15.0		15.0	11.7	3.3
UPPER MANNVILLE Q	143.0	0.10		14.3		14.3	4.8	9.5
LOWER MANNVILLE A	66.0	<0.02		0.9		0.9	0.9	
FIELD TOTAL	6 658.6			1 081.7		1 081.7	554.3	527.4
KAKUT 075-03W6								
CHARLIE LAKE A	360.0	0.15		54.0		54.0	32.8	21.2
CHARLIE LAKE B	1 104.0	0.20	0.10	221.0	110.0	331.0	190.6	140.4
WATER FLOOD								
FIELD TOTAL	1 464.0			275.0	110.0	385.0	223.4	161.6
KAKWA 063-05W6								
MAIN CARDIUM A	1 593.0	0.10		159.0		159.0	98.8	60.2
A CARDIUM A TOTAL	6 725.0			1 009.0	789.0	1 798.0	1 339.5	458.5
PRIMARY AREA	2 575.0	0.15		387.0		387.0		
GAS FLOOD AREA	4 150.0	0.15	0.19	622.0	789.0	1 411.0		
C CARDIUM A	1 331.0	0.10		133.0		133.0	43.3	89.7
C CARDIUM B	324.0	0.12		38.9		38.9	19.5	19.4
C CARDIUM C	241.0	0.05		12.0		12.0	0.2	11.8
DUNVEGAN B	99.9	<0.02		1.7		1.7	1.7	
DUNVEGAN C	186.0	0.10		18.6		18.6	11.1	7.5
FIELD TOTAL	10 499.9			1 372.2	789.0	2 161.2	1 514.1	647.1
KARR 066-02W6								
DUNVEGAN A	137.0	<0.01		0.1		0.1	0.1	
DUNVEGAN C	218.0	0.10		21.8		21.8	1.4	20.4
NIKANASSIN A	112.0	0.15		16.8		16.8	2.3	14.5
FIELD TOTAL	467.0			38.7		38.7	3.8	34.9
KAYBOB 064-19W5								
GETHING C	186.0	<0.01		0.1		0.1	0.1	
GETHING D	205.0	<0.01		0.7		0.7	0.7	
GETHING I	33.3	<0.01		0.2		0.2	0.2	
GETHING K	5 762.0	<0.02		80.0		80.0	79.2	0.8
GETHING O	910.0	0.03		27.3		27.3	19.0	8.3
GETHING W	196.0	0.03		5.9		5.9	3.2	2.7
ROCK CREEK A	178.0	0.05		8.9		8.9	1.6	7.3
TRIASSIC A	53.3	0.15		8.0		8.0	1.6	6.4
NISKU C	275.0	<0.03		7.5		7.5	7.5	
BEAVERHILL LAKE A	44 350.0			7 093.0	12 760.0	19 850.0	17 617.6	2 232.4
TOTAL								
PRIMARY AREA	351.0	0.15		52.7		52.7		
SOLVENT FLOOD AREA	34 000.0	0.16	0.30	5 440.0	10 360.0	15 800.0		
WATER FLOOD AREA	10 000.0	0.16	0.24	1 600.0	2 400.0	4 000.0		
BEAVERHILL LAKE B	1 270.0	0.16		203.0		203.0	141.0	62.0
FIELD TOTAL	53 418.6			7 434.6	12 760.0	20 191.6	17 871.7	2 319.9
KAYBOB SOUTH 060-19W5								
SECOND WHITE	200.0	0.10		20.0		20.0	9.5	10.5
SPECKS A								
DUNVEGAN A	174.0	<0.02		2.4		2.4	2.4	
DUNVEGAN B	808.0	0.03		24.2		24.2	16.9	7.3
BLUESKY A	63.9	<0.01		0.6		0.6	0.6	
BLUESKY D	974.0	0.10		97.4		97.4	2.5	94.9
GETHING C	98.7	0.05		4.9		4.9	0.4	4.5
TRIASSIC A TOTAL	34 910.0			5 900.0	11 900.0	17 800.0	14 834.4	2 965.6
PRIMARY AREA	611.0	0.17		104.0		104.0		
SOLVENT FLOOD AREA	14 500.0	<0.17	0.44	2 420.0	6 380.0	8 800.0		
WATER FLOOD AREA	19 800.0	<0.18	0.27	3 376.0	5 524.0	8 900.0		
NISKU C	234.0	0.60		140.0		140.0	17.0	123.0
FIELD TOTAL	37 462.6			6 189.5	11 900.0	18 089.5	14 883.7	3 205.8
KEHO 011-22W4								
COLORADO A	388.0	0.10		38.8		38.8	28.8	10.0

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
32	4.14	0.250	0.20	0.86	65	868	40	11 005	1 340.5	1988	92 03
64	1.61	0.190	0.40	0.85	75	876	41	11 712	1 397.8	1979	92 04 - GPP
32	4.30	0.160	0.22	0.83	69	860	35	10 993	1 316.3	1985	92 12
16	3.08	0.210	0.25	0.85	56	887	41	11 430	1 405.8	1977	89 12 - ABAND 90 03
247	1.88	0.134	0.32	0.85	68	847	49	13 715	1 510.0	1982	85 11 - GPP
712	1.17	0.195	0.14	0.79	86	813	63	13 070	1 414.6	1984	89 08 - GPP
448	6.28	0.110	0.22	0.66	192	790	53	20 248	1 856.4	1979	88 05
215					254	794	52	21 248	1 826.1	1978	90 03
236	2.15	0.113	0.21	0.60							- GPP
2979	2.37	0.124	0.21	0.60							
1490	1.37	0.130	0.15	0.59	253	780	52	21 213	1 822.5	1979	92 12
204	2.61	0.120	0.14	0.59	268	790	55	20 558	1 785.6	1980	85 02
64	9.48	0.100	0.37	0.63	192	775	51	13 261	1 737.4	1957	88 05 - GPP
64	5.20	0.110	0.58	0.65	160	811	74	23 130	2 346.1	1981	88 12 - ABAND 87 11
64	5.10	0.120	0.35	0.73	165	830	67	23 860	2 436.8	1980	86 11
64	3.62	0.120	0.40	0.82	72	837	49	12 923	1 627.9	1984	86 01
64	5.54	0.121	0.38	0.82	68	847	48		1 834.7	1986	88 01 - GPP
64	2.50	0.130	0.10	0.60	246	823	90	22 664	2 358.0	1988	90 11
64	6.70	0.100	0.49	0.85	48	885	71	14 178	1 754.2	1981	83 12
64	2.70	0.170	0.17	0.84	96	874	60	14 175	1 753.9	1981	84 12
16	2.20	0.150	0.30	0.90	34	941	54	14 768	1 760.1	1986	88 01 - ABAND 88 06
1040	5.82	0.160	0.30	0.85	57	887	73	14 480	1 810.5	1960	83 12 - GPP
175	5.50	0.168	0.33	0.84	64	874	60	14 397	1 833.7	1985	91 07
32	7.49	0.150	0.35	0.84	70	874	60	14 542	1 828.9	1985	91 07 - GPP
32	8.50	0.140	0.37	0.74	126	893	71	14 014	1 673.7	1990	91 12 - GPP
64	1.24	0.137	0.30	0.70	117	828	79	16 725	1 924.1	1986	86 10 - GPP
16	36.00	0.072	0.15	0.78	100	837	74	22 016	2 541.5	1978	92 11 - GPP
6948					199	811	113	31 920	2 980.9	1957	90 12
128	9.88	0.064	0.30	0.62							- GPP
5000	17.82	0.076	0.19	0.62							- GPP
1820	18.57	0.062	0.23	0.62							
501	8.78	0.064	0.26	0.61	435	797	109	30 270	2 949.5	1961	76 08
64	4.00	0.150	0.35	0.80	84	824	52	18 090	1 629.0	1981	82 01
64	3.64	0.160	0.40	0.78	94	830	60	12 410	1 618.4	1977	79 11 - ABAND 83 01
256	4.33	0.130	0.34	0.85	82	831	55	13 710	1 658.6	1976	86 12 - GPP
65	1.52	0.120	0.28	0.75	103	829	82	12 800	2 024.8	1976	83 12 - ABAND 80 02
128	13.37	0.110	0.31	0.75	100	842	70	13 822	2 176.5	1991	92 08
64	3.06	0.120	0.40	0.70	156	824	82	14 451	2 077.8	1978	84 12 - GPP
8652					123	815	86	17 450	2 095.5	1962	87 12
338	2.20	0.130	0.11	0.71							- GPP
3249	6.73	0.105	0.11	0.71							- GPP
5065	5.89	0.105	0.11	0.71							
64	7.00	0.110	0.12	0.54	277	810	102	24 397	2 985.5	1991	91 11
256	1.25	0.187	0.28	0.90	24	870	38	7 580	1 133.2	1932	75 09 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
KEHO 011-22W4 (CONTINUED)								
BOW ISLAND C	345.0	<0.02		5.4		5.4	5.4	
BOW ISLAND F	276.0	0.10		27.6		27.6	22.3	5.3
BOW ISLAND G	414.0	0.10	0.20	41.4	82.8	124.0	53.5	70.5
WATER FLOOD								
BOW ISLAND H	99.8	0.10		10.0		10.0	4.4	5.6
ELKTON A	192.0	0.08		15.4		15.4	11.1	4.3
PEKISKO A	242.0	<0.02		2.7		2.7	2.7	
FIELD TOTAL *	1 956.8			141.3	82.8	223.9	128.2	95.7
KELSEY 044-18W4								
LOWER MANNVILLE A	103.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE B	330.0	<0.01		1.2		1.2	1.2	
FIELD TOTAL	433.0			1.4		1.4	1.4	
KIDNEY 092-05W5								
SLAVE POINT A	246.0	<0.01		1.0		1.0	1.0	
SLAVE POINT B	166.0	<0.01		0.1		0.1	0.1	
SLAVE POINT C	252.0	<0.01		0.2		0.2	0.2	
KEG RIVER A	671.0	0.25		168.0		168.0	73.0	95.0
KEG RIVER B	1 200.0	0.25		300.0		300.0	161.2	138.8
KEG RIVER C	579.0	0.25		145.0		145.0	70.5	74.5
KEG RIVER D	273.0	0.15		41.0		41.0	26.9	14.1
KEG RIVER E	345.0	0.25		86.3		86.3	48.4	37.9
KEG RIVER G	424.0	0.25		106.0		106.0	56.8	49.2
KEG RIVER I	553.0	0.25		138.0		138.0	59.8	78.2
KEG RIVER J	793.0	0.25		198.0		198.0	113.7	84.3
KEG RIVER K	142.0	0.20		28.4		28.4	7.7	20.7
KEG RIVER L	336.0	0.10		33.6		33.6	16.3	17.3
KEG RIVER M	381.0	0.15		57.2		57.2	20.4	36.8
KEG RIVER N	42.8	0.10		4.3		4.3	0.6	3.7
KEG RIVER O	80.7	0.20		16.1		16.1	11.8	4.3
KEG RIVER P	55.1	<0.13		6.9		6.9	6.9	
KEG RIVER Q	265.0	0.25		66.3		66.3	24.5	41.8
KEG RIVER R	65.1	0.25		16.3		16.3	3.2	13.1
KEG RIVER S	58.5	0.25		14.6		14.6	3.8	10.8
KEG RIVER T	129.0	0.25		32.3		32.3	12.1	20.2
KEG RIVER U	134.0	0.15		20.1		20.1	4.2	15.9
KEG RIVER V	85.2	0.25		21.3		21.3	16.8	4.5
KEG RIVER W	519.0	0.10		51.9		51.9	12.9	39.0
KEG RIVER X	177.0	0.25		44.3		44.3	4.1	40.2
KEG RIVER Y	764.0	0.25		191.0		191.0	87.8	103.2
KEG RIVER AA	34.0	0.15		5.1		5.1	4.1	1.0
KEG RIVER BB	2 086.0	0.25		522.0		522.0	231.3	290.7
KEG RIVER CC	506.0	0.25		127.0		127.0	45.0	82.0
KEG RIVER DD	169.0	0.25		42.3		42.3	23.3	19.0
KEG RIVER EE	128.0	0.25		32.0		32.0	16.8	15.2
KEG RIVER FF	67.8	0.25		17.0		17.0	11.1	5.9
KEG RIVER GG	32.0	<0.04		1.0		1.0	1.0	
KEG RIVER HH	62.4	0.15		9.4		9.4	2.9	6.5
KEG RIVER II	105.0	0.25		26.3		26.3	13.3	13.0
KEG RIVER JJ	117.0	0.25		29.3		29.3	7.1	22.2
KEG RIVER KK	109.0	<0.03		2.3		2.3	2.3	
KEG RIVER LL	116.0	<0.01		0.4		0.4	0.4	
KEG RIVER MM	193.0	0.20		38.6		38.6	13.3	25.3
KEG RIVER NN	95.8	0.06		5.7		5.7	5.1	0.6
KEG RIVER OO	125.0	0.10		12.5		12.5	3.1	9.4
KEG RIVER PP	70.3	0.20		14.1		14.1	3.0	11.1
KEG RIVER QQ	268.0	0.25		67.0		67.0	23.1	43.9
KEG RIVER RR	119.0	0.25		29.8		29.8	16.2	13.6
KEG RIVER SS	428.0	0.25		107.0		107.0	39.0	68.0
KEG RIVER TT	352.0	0.25		88.0		88.0	26.3	61.7
KEG RIVER UU	86.9	0.20		17.4		17.4	8.1	9.3
KEG RIVER VV	124.0	0.25		31.0		31.0	14.6	16.4
KEG RIVER WW	486.0	0.25		122.0		122.0	27.3	94.7
KEG RIVER XX	92.3	0.15		13.8		13.8	1.6	12.2
KEG RIVER YY	45.5	0.25		11.4		11.4	8.0	3.4
KEG RIVER ZZ	103.0	0.25		25.8		25.8	11.1	14.7
KEG RIVER AAA	43.0	0.25		10.8		10.8	4.7	6.1
KEG RIVER BBB	80.2	0.25		20.1		20.1	8.2	11.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
65	6.95	0.163	0.50	0.94	20	839	49	8 077	1 175.6	1974	88 12 - ABAND 84 03
128	2.90	0.150	0.45	0.90	27	819	31	5 632	991.9	1981	86 04 - GPP
270	1.71	0.135	0.30	0.95	27	873	31	5 604	957.5	1983	89 02 - GPP
125	1.20	0.100	0.30	0.95	25	855	32	3 871	1 045.0	1978	88 12 - GPP
64	3.05	0.160	0.14	0.71	128	839	42	14 840	1 550.2	1972	83 12 - GPP
64	19.00	0.030	0.15	0.78	92	878	50	18 777	1 902.5	1979	83 12 - ABAND 83 10
64	1.50	0.210	0.40	0.85	58	856	42	7 188	1 129.7	1982	83 06 - ABAND 84 07
32	6.16	0.230	0.21	0.92	35	875	34	8 187	1 135.0	1987	92 10
64	12.50	0.060	0.41	0.87	53	827	33	14 050	1 056.5	1987	87 01 - ABAND 89 10
32	14.80	0.067	0.40	0.87	52	850	34	13 877	1 036.6	1986	92 08
64	6.80	0.090	0.26	0.87	57	822	38	13 888	1 037.0	1987	88 09 - ABAND 89 10
200	10.50	0.055	0.34	0.88	47	829	40	13 842	1 291.1	1985	91 12
583	5.58	0.059	0.29	0.88	43	825	39	13 956	1 350.9	1985	89 01
192	9.92	0.048	0.28	0.88	43	818	36	14 043	1 433.8	1986	87 03
64	8.22	0.092	0.36	0.88	42	835	39	13 798	1 323.3	1986	91 12 - GPP
64	15.22	0.066	0.39	0.88	44	835	39	13 925	1 425.2	1986	86 06
128	8.84	0.060	0.29	0.88	43	835	39	13 901	1 329.6	1986	88 02
192	7.44	0.063	0.31	0.89	23	835	39	14 129	1 344.3	1986	88 01 - GPP
256	9.36	0.057	0.34	0.88	45	835	38	14 056	1 475.2	1986	87 12
119	4.30	0.050	0.37	0.88	47	835	40	13 926	1 334.9	1986	89 08 - GPP
200	6.00	0.054	0.43	0.91	43	854	41	14 534	1 431.3	1986	90 12 - GPP
203	4.65	0.079	0.42	0.88	47	829	40	13 317	1 316.2	1986	91 12 - GPP
64	2.09	0.056	0.35	0.88	43	838	39	13 391	1 406.6	1986	91 03 - GPP
16	12.45	0.061	0.27	0.91	32	831	39	14 159	1 339.7	1985	90 12 - GPP
16	11.20	0.060	0.39	0.84	32	834	41	13 314	1 329.1	1985	92 06 - ABAND 92 02
128	5.97	0.056	0.32	0.91	45	835	39	14 311	1 374.1	1986	88 07
64	4.73	0.043	0.45	0.91	32	835	39	14 492	1 331.6	1986	87 02 - GPP
64	2.80	0.053	0.30	0.88	43	818	39	14 217	1 417.6	1986	87 03 - GPP
64	5.18	0.066	0.35	0.91	32	821	39	7 322	1 395.0	1986	87 03 - GPP
64	6.44	0.066	0.44	0.88	31	836	36	13 695	1 309.8	1986	87 04 - GPP
64	4.10	0.051	0.30	0.91	32	821	39	13 872	1 392.8	1987	91 12
128	12.80	0.053	0.33	0.89	41	818	39	14 243	1 478.8	1987	92 05 - GPP
64	5.80	0.086	0.37	0.88	47	835	40	13 550	1 274.9	1987	87 07 - GPP
320	8.59	0.047	0.35	0.91	32	824	39	14 322	1 497.0	1987	88 06
16	7.80	0.045	0.32	0.89	41	835	39	13 379	1 310.5	1987	90 12 - GPP
653	5.95	0.078	0.26	0.93	23	835	39	13 909	1 475.6	1987	89 01
256	6.45	0.051	0.34	0.91	41	841	39	13 368	1 494.7	1987	87 12
64	7.90	0.056	0.33	0.89	41	835	39	13 830	1 483.7	1986	88 01
128	3.51	0.049	0.34	0.88	35	835	39	14 288	1 492.3	1986	88 04
64	4.50	0.042	0.37	0.89	41	835	39	13 165	1 303.0	1987	88 07 - GPP
16	7.80	0.040	0.28	0.89	41	842	39	13 423	1 470.0	1987	92 10
32	6.00	0.050	0.27	0.89	41	842	39	13 820	1 466.9	1987	91 12 - GPP
64	5.50	0.050	0.32	0.88	32	824	39	14 161	1 503.4	1987	88 04
64	6.00	0.050	0.33	0.91	32	833	39	14 230	1 525.0	1987	88 05 - GPP
64	3.40	0.075	0.25	0.89	32	819	35	14 611	1 468.4	1987	92 10
64	4.80	0.058	0.27	0.89	41	820	39	14 260	1 472.3	1987	92 10
64	10.50	0.040	0.21	0.91	32	824	39	13 835	1 396.6	1988	91 12 - GPP
64	5.40	0.045	0.30	0.88	47	829	36	14 205	1 299.6	1988	92 12
64	5.70	0.060	0.37	0.91	32	824	39	12 949	1 296.0	1988	88 07
32	7.25	0.049	0.32	0.91	32	824	39	14 558	1 467.5	1987	91 12
159	4.60	0.060	0.33	0.91	32	824	39	14 512	1 506.6	1987	92 05 - GPP
64	6.00	0.047	0.26	0.89	41	820	39	14 102	1 332.2	1987	88 08
64	14.90	0.068	0.25	0.88	43	819	39	13 868	1 479.9	1988	88 08
128	8.17	0.050	0.26	0.91	32	824	39	14 071	1 298.3	1988	88 12 - GPP
64	4.18	0.050	0.27	0.89	41	820	39	13 972	1 513.7	1988	88 12 - GPP
64	6.00	0.054	0.32	0.88	43	810	39	12 581	1 305.8	1988	89 01
128	8.11	0.070	0.24	0.88	43	879	39	13 796	1 481.2	1988	91 07 - GPP
64	4.80	0.056	0.39	0.88	43	810	39	12 648	1 317.5	1988	88 08 - GPP
64	2.11	0.052	0.28	0.90	32	824	39	13 620	1 341.2	1988	89 02 - GPP
64	4.89	0.053	0.32	0.91	32	824	39	13 807	1 300.1	1988	89 02
64	1.81	0.053	0.22	0.90	32	824	39	14 730	1 480.7	1988	89 05 - GPP
64	4.07	0.050	0.30	0.88	43	819	39	12 436	1 328.9	1988	89 06

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
KIDNEY 092-05W5 (CONTINUED)								
KEG RIVER CCC	106.0	0.35		37.1		37.1	11.6	25.5
KEG RIVER DDD	65.0	0.15		9.8		9.8	2.6	7.2
KEG RIVER EEE	69.5	0.15		10.4		10.4	1.1	9.3
KEG RIVER FFF	323.0	0.25		80.8		80.8	8.7	72.1
KEG RIVER GGG	403.0	0.20		80.6		80.6	6.3	74.3
KEG RIVER HHH	367.0	0.10		36.7		36.7	8.1	28.6
KEG RIVER III	125.0	0.10		12.5		12.5	2.7	9.8
KEG RIVER JUJ	43.7	0.25		10.9		10.9	5.3	5.6
KEG RIVER KKK	148.0	0.10		14.8		14.8	0.9	13.9
KEG RIVER LLL	245.0	0.20		49.0		49.0	8.3	40.7
KEG RIVER MMM	12.8	0.25		3.2		3.2	0.7	2.5
KEG RIVER NNN	123.0	0.20		24.6		24.6	4.3	20.3
KEG RIVER OOO	351.0	0.25		87.8		87.8	12.5	75.3
KEG RIVER PPP	116.0	0.20		23.2		23.2	4.9	18.3
KEG RIVER QQQ	333.0	0.20		66.6		66.6	9.6	57.0
KEG RIVER RRR	105.0	0.10		10.5		10.5	3.6	6.9
KEG RIVER SSS	40.9	0.10		4.1		4.1	0.3	3.8
FIELD TOTAL	17 957.5			3 779.9		3 779.9	1 507.5	2 272.4
KILLAM 043-10W4								
UPPER VIKING B	318.0	0.15		47.7		47.7	47.3	0.4
UPPER VIKING C	44.4	<0.08		3.5		3.5	3.5	
UPPER VIKING D	28.4	<0.02		0.5		0.5	0.5	
UPPER VIKING E	70.0	<0.01		0.3		0.3	0.3	
UPPER VIKING H	388.0	0.10		38.8		38.8	11.6	27.2
UPPER VIKING K	134.0	0.02		2.7		2.7	0.4	2.3
GLAUCONITIC FF	4 410.0	0.45		1 985.0		1 985.0	1 316.0	669.0
GLAUCONITIC PP	280.0	0.40		112.0		112.0	36.1	75.9
ELLERSLIE JJ	202.0	0.05		10.1		10.1	0.5	9.6
ELLERSLIE KK	104.0	0.10		10.4		10.4	3.3	7.1
ELLERSLIE LL	103.0	0.10		10.3		10.3	1.7	8.6
ELLERSLIE MM	169.0	0.20		33.8		33.8	29.3	4.5
ELLERSLIE NN	695.0	0.39		271.0		271.0	163.2	107.8
ELLERSLIE OO	64.8	0.10		6.5		6.5	2.5	4.0
FIELD TOTAL *	7 010.6			2 532.6		2 532.6	1 616.2	916.4
KIM 008-26W4								
LIVINGSTONE A	397.0	<0.03		11.2		11.2	11.2	
FIELD TOTAL	397.0			11.2		11.2	11.2	
KIPP 008-23W4								
WABAMUN A	402.0	0.08		32.2		32.2	24.0	8.2
FIELD TOTAL	402.0			32.2		32.2	24.0	8.2
KITTY 086-12W5								
SLAVE POINT A	207.0	0.10		20.7		20.7	12.0	8.7
SLAVE POINT B	408.0	0.30		122.0		122.0	51.0	71.0
SLAVE POINT C	333.0	0.40		133.0		133.0	79.6	53.4
SLAVE POINT D	55.0	0.30		16.5		16.5	2.5	14.0
SLAVE POINT E	134.0	<0.02		2.0		2.0	2.0	
SLAVE POINT F	103.0	0.05		5.2		5.2	2.0	3.2
SLAVE POINT G	34.7	0.30		10.4		10.4	8.2	2.2
SLAVE POINT H	40.0	<0.02		0.6		0.6	0.6	
SLAVE POINT I	92.0	0.10		9.2		9.2	1.4	7.8
GRANITE WASH A	83.7	<0.07		5.6		5.6	5.6	
GRANITE WASH B	121.0	0.20		24.2		24.2	0.4	23.8
GRANITE WASH C	594.0	0.10		59.4		59.4	41.4	18.0
GRANITE WASH D	114.0	0.25		28.4		28.4	5.3	23.1
GRANITE WASH E	95.8	0.10		9.6		9.6	2.2	7.4
FIELD TOTAL	2 415.2			446.8		446.8	214.2	232.6
KNAPPEN 001-11W4								
LOWER MANNVILLE A	429.0	0.12		51.5		51.5	45.6	5.9
LOWER MANNVILLE B	278.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE C	378.0	<0.07		23.3		23.3	23.3	
LOWER MANNVILLE F	229.0	0.05		11.5		11.5	6.1	5.4

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	7.50	0.041	0.41	0.91	32	824	39	13 358	1 331.7	1989	89 07
64	2.40	0.074	0.35	0.88	47	829	40	12 288	1 313.9	1988	89 08 - GPP
64	2.10	0.084	0.30	0.88	47	829	40	12 950	1 299.0	1988	89 08 - GPP
128	9.95	0.043	0.33	0.88	43	819	39	12 778	1 369.9	1989	91 06
128	7.59	0.062	0.24	0.88	43	819	39	12 288	1 352.8	1989	91 06 - GPP
64	18.60	0.050	0.30	0.88	43	819	39	13 407	1 292.7	1989	92 12
32	12.00	0.060	0.38	0.88	47	829	40	13 025	1 299.5	1990	91 05 - GPP
64	3.00	0.050	0.50	0.91	32	824	39	12 479	1 332.8	1990	91 12 - GPP
64	6.83	0.060	0.36	0.88	47	828	40	13 031	1 333.1	1990	91 05 - GPP
64	10.30	0.060	0.32	0.91	36	825	35	13 948	1 506.0	1990	92 06 - GPP
64	0.73	0.050	0.40	0.91	32	824	39	14 574	1 485.0	1987	91 04
16	20.40	0.070	0.41	0.91	36	825	35	14 504	1 516.5	1990	92 01 - GPP
128	8.60	0.050	0.30	0.91	36	825	35	10 474	1 285.5	1991	92 06
32	9.90	0.060	0.31	0.89	41	824	39	12 706	1 481.4	1990	92 01 - GPP
64	9.00	0.100	0.35	0.89	41	818	39	10 510	1 408.4	1991	91 07
32	8.62	0.050	0.15	0.89	41	819	39	13 732	1 359.8	1991	92 02 - GPP
32	2.70	0.070	0.24	0.89	41	818	39	13 940	1 502.9	1991	92 03 - GPP
244	1.16	0.190	0.35	0.91	38	849	27	5 582	783.3	1957	75 12 - GPP
32	1.22	0.250	0.50	0.91	39	849	28	5 630	788.2	1971	92 03 - ABAND 92 01
32	1.30	0.150	0.50	0.91	39	887	37	5 020	788.5	1971	79 06
64	1.50	0.160	0.50	0.91	39	854	34	6 220	817.3	1979	79 10
160	2.15	0.210	0.41	0.91	26	851	36	4 315	795.5	1981	84 11
64	2.40	0.170	0.46	0.95	24	857	33		799.9	1982	90 08
400	5.36	0.260	0.14	0.92	39	910	34	6 250	948.3	1979	91 12 - GPP
44	3.26	0.250	0.15	0.92	35	874	34	6 702	1 008.4	1988	92 11 - GPP
32	3.90	0.250	0.29	0.91	37	899	35		929.7	1990	91 09 - GPP
64	1.20	0.230	0.35	0.91	37	898	35	6 595	969.4	1990	90 12 - GPP
32	2.20	0.230	0.30	0.91	37	899	35	6 385	993.2	1990	91 03 - GPP
35	2.83	0.240	0.22	0.91	37	899	35	6 353	988.7	1990	91 06 - GPP
120	2.98	0.260	0.16	0.89	33	875	39	6 405	988.1	1991	92 06 - GPP
8	4.80	0.240	0.26	0.95	16	908	34	6 477	1 012.4	1991	92 09 - GPP
64	26.00	0.053	0.25	0.60	210	820	61	22 159	2 335.3	1980	92 07 - ABAND 89 08
32	14.50	0.120	0.15	0.85	60	863	52	31 996	2 240.5	1979	92 07 - GPP
64	9.23	0.050	0.23	0.91	31	829	46	15 523	1 533.9	1985	87 12 - GPP
192	4.50	0.070	0.25	0.90	33	835	45	16 113	1 504.5	1982	86 03 - GPP
64	7.19	0.098	0.17	0.89	35	836	44	15 981	1 533.2	1984	90 06 - GPP
64	3.00	0.045	0.30	0.91	30	833	38	15 415	1 538.5	1980	81 02 - GPP
64	8.80	0.045	0.42	0.91	32	857	38	15 522	1 478.3	1982	88 12 - ABAND 90 01
64	3.90	0.070	0.35	0.91	32	837	38	15 983	1 532.3	1980	91 03 - GPP
64	1.52	0.065	0.39	0.90	33	794	40	15 335	1 529.5	1987	88 12 - GPP
64	3.20	0.035	0.38	0.90	38	834	27	15 019	1 484.3	1986	86 05 - ABAND 90 07
32	8.00	0.060	0.35	0.92	30	829	38	15 065	1 488.6	1990	91 09 - GPP
64	1.40	0.160	0.27	0.80	76	832	54	15 726	1 562.7	1983	84 06 - ABAND 89 12
64	2.50	0.150	0.44	0.90	31	837	43	16 073	1 563.5	1986	87 02 - GPP
200	1.95	0.232	0.27	0.90	34	832	43	15 165	1 533.9	1989	92 04 - GPP
64	1.43	0.200	0.31	0.90	34	845	43	15 091	1 546.1	1989	90 07
32	2.40	0.220	0.37	0.90	34	845	43	14 351	1 528.7	1990	91 09 - GPP
128	2.28	0.210	0.27	0.96	10	835	32	9 268	895.5	1956	90 12 - GPP
65	2.44	0.250	0.20	0.88	42	829	28	6 840	831.8	1965	83 12 - GPP
130	1.52	0.250	0.20	0.96	18	844	34	6 030	814.4	1965	92 07 - ABAND 91 10
64	3.70	0.200	0.45	0.88	51	830	29	6 500	810.9	1975	83 12 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
KNAPPEN 001-11W4 (CONTINUED)								
LOWER MANNVILLE H	99.4	<0.01		0.5		0.5	0.5	
FIELD TOTAL	1 413.4			87.4		87.4	76.1	11.3
KNOPCIK 074-10W6								
DOE CREEK B	311.0	<0.01		0.2		0.2	0.2	
CHARLIE LAKE A	153.0	<0.01		0.5		0.5	0.5	
CHARLIE LAKE B	90.4	0.15		13.6		13.6	9.9	3.7
CHARLIE LAKE C	117.0	0.10		11.7		11.7	1.2	10.5
CHARLIE LAKE D	116.0	0.15		17.4		17.4	5.9	11.5
HALFWAY A	193.0	<0.01		0.5		0.5	0.5	
FIELD TOTAL	980.4			43.9		43.9	18.2	25.7
LA GLACE 074-08W6								
CHARLIE LAKE A	86.9	<0.01		0.1		0.1	0.1	
BOUNDARY A	222.0	0.20		44.4		44.4	43.8	0.6
HALFWAY A	10.9	0.10		1.1		1.1	0.1	1.0
FIELD TOTAL	319.8			45.6		45.6	44.0	1.6
LACOMBE 039-25W4								
NISKU A	113.0	<0.12		13.5		13.5	13.5	
NISKU B	75.6	0.10		7.6		7.6	6.0	1.6
NISKU C	176.0	0.25		44.0		44.0	35.1	8.9
NISKU D	325.0	0.10		32.5		32.5	16.5	16.0
NISKU E	49.8	0.20		10.0		10.0	8.3	1.7
NISKU F	165.0	<0.01		0.1		0.1	0.1	
NISKU G	101.0	0.10		10.1		10.1	2.6	7.5
NISKU H	51.7	<0.06		2.7		2.7	2.7	
FIELD TOTAL	1 057.1			120.5		120.5	84.8	35.7
LAIT 002-10W4								
LOWER MANNVILLE G	35.8	0.10		3.6		3.6	1.6	2.0
FIELD TOTAL	35.8			3.6		3.6	1.6	2.0
LANAWAY 036-03W5								
CARDIUM	2 922.0	0.10		292.0		292.0	212.0	80.0
CARDIUM B	292.0	<0.01		0.6		0.6	0.6	
CARDIUM C	732.0	0.05		36.6		36.6	33.3	3.3
CARDIUM D	92.9	0.10		9.3		9.3	4.1	5.2
CARDIUM E	47.9	0.10		4.8		4.8	1.4	3.4
SECOND WHITE	334.0	0.04		13.4		13.4	11.4	2.0
SPECKS A								
VIKING B	98.8	0.10		9.9		9.9	7.1	2.8
MANNVILLE	3 500.0	0.10		350.0		350.0	241.9	108.1
MANNVILLE B	320.0	0.05		16.0		16.0	6.7	9.3
MANNVILLE C	23.0	<0.02		0.3		0.3	0.3	
MANNVILLE D	145.0	0.10		14.5		14.5	11.9	2.6
MANNVILLE E	391.0	<0.01		1.3		1.3	1.3	
MANNVILLE F	223.0	<0.01		0.3		0.3	0.3	
MANNVILLE G	108.0	0.10		10.8		10.8	5.3	5.5
GLAUCONITIC A & BASAL QUARTZ A	229.0	<0.01		1.0		1.0	1.0	
JURASSIC-RUNDLE A	940.0	0.25		235.0		235.0	57.4	177.6
ELKTON A	1 200.0	0.03		36.0		36.0	21.5	14.5
PEKISKO A	101.0	<0.03		2.7		2.7	2.7	
D-2 A	243.0	0.20		48.6		48.6	21.2	27.4
D-3 A	245.0	<0.01		2.4		2.4	2.4	
FIELD TOTAL	12 187.6			1 085.5		1 085.5	643.8	441.7
LARNE 116-03W6								
MUSKEG B	144.0	<0.07		9.1		9.1	9.1	
KEG RIVER A	350.0	<0.06		19.1		19.1	19.1	
KEG RIVER B	340.0	0.10		34.0		34.0	24.0	10.0
KEG RIVER C	424.0	0.20		84.8		84.8	56.4	28.4
KEG RIVER D	397.0	0.20		79.4		79.4	62.8	16.6
KEG RIVER E	338.0	<0.16		52.3		52.3	52.3	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	3.10	0.130	0.59	0.94	21	835	30	3 773	804.7	1988	92 06 - ABAND 91 10
64	3.93	0.200	0.35	0.95	19	839	28	6 296	910.7	1987	92 10
64	2.87	0.170	0.30	0.70	120	821	76	25 313	2 116.9	1981	92 10
51	1.50	0.180	0.10	0.73	120	827	76	26 793	2 292.3	1987	90 06
64	1.70	0.165	0.15	0.77	100	829	73	17 022	2 316.2	1987	88 09 - GPP
64	1.36	0.190	0.10	0.78	79	806	76	20 774	2 308.7	1988	89 08
64	7.99	0.084	0.35	0.69	149	807	64	21 668	2 201.7	1982	92 10
64	2.10	0.100	0.16	0.77	100	829	73	21 245	1 899.3	1987	92 10
128	1.81	0.150	0.15	0.75	126	825	74	21 407	1 927.0	1959	88 03 - GPP
64	0.50	0.055	0.13	0.71	129	798	73	20 846	1 954.8	1988	89 01
64	6.18	0.060	0.32	0.70	106	819	70	16 526	1 992.8	1958	78 12 - ABAND 89 11
64	4.20	0.055	0.30	0.73	105	810	73	16 478	1 984.3	1982	85 03 - GPP
128	3.05	0.076	0.15	0.70	143	822	67	17 025	1 972.2	1977	91 12 - GPP
128	4.70	0.100	0.26	0.73	110	825	74	18 164	2 063.3	1986	92 12 - GPP
64	2.30	0.060	0.17	0.68	143	823	67	18 170	2 057.3	1988	90 02 - GPP
64	5.00	0.090	0.18	0.70	130	810	77	18 201	2 052.4	1988	89 03 - ABAND 91 09
32	5.20	0.100	0.19	0.75	117	809	78	16 681	2 069.7	1989	91 12 - GPP
65	2.44	0.059	0.20	0.69	106	805	70	18 074	2 025.1	1962	75 12 - ABAND 70 09
64	1.50	0.130	0.67	0.87	57	838	32	7 876	808.3	1990	91 06
1 869	2.35	0.110	0.28	0.84	53	825	54	15 314	1 807.5	1960	82 07
129	3.66	0.090	0.22	0.88	53	839	54	21 406	1 773.6	1972	73 12 - ABAND 73 11
256	4.30	0.110	0.28	0.84	53	825	54	20 430	1 776.9	1960	86 12 - GPP
128	1.00	0.120	0.28	0.84	52	841	58	21 777	1 819.5	1984	86 01 - GPP
64	1.80	0.080	0.35	0.80	89	822	59	23 123	1 820.8	1982	83 11 - GPP
65	8.53	0.120	0.30	0.72	89	865	59	21 900	1 860.0	1977	83 12 - GPP
64	2.80	0.105	0.30	0.75	100	833	63	9 081	1 947.4	1987	88 03
846	6.60	0.110	0.25	0.76	71	876	60	16 690	2 274.9	1959	83 11
64	6.80	0.124	0.22	0.76	76	853	76	18 783	2 320.5	1981	84 01
64	1.00	0.090	0.50	0.80	88	853	64	18 650	2 298.5	1981	82 06 - ABAND 86 12
64	3.70	0.120	0.25	0.68	134	861	72	18 653	2 294.2	1981	83 03
64	15.90	0.100	0.52	0.80	100	892	66	18 420	2 356.3	1982	84 12 - ABAND 88 09
64	6.00	0.150	0.43	0.68	152	843	82	16 123	2 237.8	1980	84 07
64	2.10	0.125	0.20	0.80	93	880	45	18 629	2 291.2	1986	87 04 - GPP
128	4.07	0.090	0.39	0.80	82	874	60	16 680	2 229.0	1979	82 05 - GPP
64	15.70	0.150	0.19	0.77	99	876	64	17 047	2 349.3	1988	89 10
261	7.00	0.120	0.27	0.75	103	904	74	18 150	2 395.8	1973	88 01 - GPP
64	5.26	0.060	0.35	0.77	99	876	64	17 499	2 267.3	1977	92 10
64	10.70	0.055	0.14	0.75	95	810	75	23 760	2 866.2	1985	86 07 - GPP
65	7.92	0.100	0.15	0.56	261	788	82	24 240	2 923.3	1964	73 02
35	17.68	0.040	0.35	0.90	35	898	64	13 650	1 407.3	1972	80 11 - ABAND 88 12
12	51.90	0.078	0.20	0.90	22	887	69	13 470	1 429.8	1968	90 12 - ABAND 91 03
17	37.45	0.075	0.20	0.89	37	898	61	13 460	1 415.8	1968	83 12 - GPP
10	58.21	0.092	0.10	0.88	46	898	61	13 710	1 427.1	1968	92 12 - GPP
9	72.10	0.089	0.21	0.87	38	876	70	13 800	1 467.3	1968	83 01 - GPP
17	39.93	0.071	0.20	0.88	31	876	72	13 470	1 425.2	1968	91 08 - ABAND 91 01

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ² m ³	10 ³ m ³
LARNE 116-03W6 (CONTINUED)								
KEG RIVER F	125.0	<0.09		10.7		10.7	10.7	
KEG RIVER G	286.0	0.20		57.2		57.2	44.0	13.2
KEG RIVER H	413.0	<0.03		11.8		11.8	11.8	
KEG RIVER I	478.0	<0.05		19.6		19.6	19.6	
KEG RIVER J	510.0	<0.02		7.7		7.7	7.7	
KEG RIVER K	397.0	0.15		59.6		59.6	54.6	5.0
KEG RIVER L	292.0	<0.04		9.4		9.4	9.4	
KEG RIVER M	280.0	<0.03		8.0		8.0	8.0	
KEG RIVER N	238.0	<0.07		14.5		14.5	14.5	
KEG RIVER O	138.0	<0.20		26.9		26.9	26.9	
KEG RIVER P	342.0	<0.05		13.9		13.9	13.9	
KEG RIVER Q	157.0	<0.07		10.6		10.6	10.6	
KEG RIVER R	159.0	0.25		39.8		39.8	30.4	9.4
KEG RIVER S	600.0	0.03		18.0		18.0	14.6	3.4
KEG RIVER T	276.0	<0.02		2.9		2.9	2.9	
KEG RIVER U	168.0	<0.04		5.2		5.2	5.2	
KEG RIVER V	428.0	0.05		21.4		21.4	13.0	8.4
KEG RIVER W	272.0	<0.02		3.4		3.4	3.4	
KEG RIVER X	79.3	<0.06		4.5		4.5	4.5	
KEG RIVER Y	92.9	<0.03		2.3		2.3	2.3	
KEG RIVER Z	160.0	0.10		16.0		16.0	3.9	12.1
KEG RIVER AA	100.0	<0.02		1.7		1.7	1.7	
KEG RIVER BB	80.3	<0.04		2.9		2.9	2.9	
KEG RIVER CC	120.0	0.25		30.0		30.0	11.2	18.8
KEG RIVER DD	235.0	0.10		23.5		23.5	7.8	15.7
KEG RIVER EE	95.0	0.15		14.3		14.3	11.2	3.1
KEG RIVER FF	70.0	0.10		7.0		7.0	2.9	4.1
KEG RIVER GG	33.9	0.20		6.8		6.8	4.5	2.3
KEG RIVER HH	150.0	0.25		37.5		37.5	20.2	17.3
KEG RIVER II	51.5	<0.03		1.2		1.2	1.2	
KEG RIVER JJ	74.4	0.06		4.5		4.5	4.5	
KEG RIVER KK	27.5	0.25		6.9		6.9	3.6	3.3
KEG RIVER LL	260.0	0.10		26.0		26.0	15.5	10.5
KEG RIVER MM	212.0	0.05		10.6		10.6	3.2	7.4
KEG RIVER NN	418.0	0.15		62.7		62.7	6.3	56.4
KEG RIVER OO	538.0	0.20		108.0		108.0		108.0
FIELD TOTAL	10 349.8			985.7		985.7	632.3	353.4
LATOR 063-02W6								
DUNVEGAN A	1 540.0	0.10		154.0		154.0	139.3	14.7
DUNVEGAN B	184.0	0.10		18.4		18.4	0.4	18.0
FIELD TOTAL	1 724.0			172.4		172.4	139.7	32.7
LATORNELL 063-01W6								
DUNVEGAN A	109.0	<0.02		1.3		1.3	1.3	
FIELD TOTAL	109.0			1.3		1.3	1.3	
LEAHURST 039-18W4								
VIKING E	293.0	<0.01		0.1		0.1	0.1	
MANNVILLE C	70.5	<0.02		1.0		1.0	1.0	
MANNVILLE M	153.0	0.10		15.3		15.3	3.9	11.4
MANNVILLE V	53.0	0.20		10.6		10.6	8.4	2.2
GLAUCONITIC B	2 724.0	0.20		545.0		545.0		545.0
BASAL QUARTZ A	110.0	0.05		5.5		5.5	1.6	3.9
BASAL QUARTZ B	45.9	<0.01		0.2		0.2	0.2	
BASAL QUARTZ C	137.0	<0.01		1.2		1.2	1.2	
BASAL QUARTZ E	188.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	3 774.4			579.1		579.1	16.6	562.5
LEAMAN 055-12W5								
LOWER MANNVILLE G	359.0	0.10		35.9		35.9	22.3	13.6
LOWER MANNVILLE M	152.0	<0.03		4.2		4.2	4.2	
NORDEGG A	287.0	0.01		2.9		2.9	0.8	2.1
NORDEGG C	1 600.0	0.15		240.0		240.0	74.6	165.4
FIELD TOTAL *	2 398.0			283.0		283.0	101.9	181.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
21	29.75	0.032	0.30	0.89	37	892	61	12 890	1 399.6	1969	88 12 - GPP
13	47.61	0.061	0.15	0.89	35	898	63	13 410	1 410.3	1969	83 12 - GPP
14	56.93	0.071	0.18	0.89	27	887	62	13 090	1 417.6	1971	88 12 - ABAND 90 03
13	47.37	0.098	0.10	0.88	39	881	62	13 070	1 409.1	1971	81 12
15	41.04	0.107	0.13	0.89	35	887	61	12 450	1 421.3	1971	83 12
13	49.85	0.083	0.18	0.90	35	887	61	13 310	1 408.2	1971	85 12 - GPP
11	58.61	0.066	0.22	0.88	43	887	50	13 130	1 444.4	1971	86 12 - ABAND 90 01
12	38.60	0.084	0.18	0.88	35	892	64	13 170	1 413.7	1972	84 12
27	22.77	0.055	0.20	0.88	33	892	54	14 320	1 397.2	1971	81 12 - ABAND 89 11
7	40.14	0.064	0.15	0.90	31	904	64	14 820	1 406.7	1971	86 12 - GPP
16	38.10	0.078	0.20	0.90	35	910	70	13 360	1 410.6	1972	80 11 - ABAND 88 12
14	17.98	0.078	0.11	0.90	27	904	63	13 560	1 411.8	1971	81 12 - ABAND 82 02
25	18.17	0.049	0.20	0.89	45	881	62	13 830	1 413.4	1969	88 12 - GPP
28	57.33	0.070	0.40	0.89	22	869	80	13 622	1 445.5	1982	88 07 - GPP
16	43.50	0.060	0.25	0.88	38	920	61	13 566	1 416.5	1983	88 12 - ABAND 86 12
19	23.10	0.050	0.13	0.88	38	909	61	12 887	1 408.5	1983	88 12 - ABAND 91 11
11	51.70	0.114	0.25	0.88	38	894	61	12 615	1 408.3	1983	92 12 - GPP
14	25.10	0.100	0.12	0.88	47	919	62	13 241	1 408.9	1984	92 10
12	19.50	0.050	0.23	0.88	43	884	48	13 026	1 415.4	1972	85 12 - GPP
16	11.00	0.075	0.20	0.88	32	889	72	13 306	1 426.5	1985	89 12
14	28.01	0.060	0.20	0.85	54	880	59	13 323	1 445.8	1985	87 01 - GPP
16	18.14	0.045	0.13	0.88	35	900	54	12 653	1 401.2	1985	92 09 - ABAND 92 07
16	19.00	0.040	0.25	0.88	35	917	57	12 796	1 407.5	1985	92 09 - ABAND 92 07
13	17.63	0.070	0.15	0.88	37	894	62	13 474	1 431.3	1985	87 12 - GPP
14	29.77	0.072	0.11	0.88	35	898	79	12 430	1 395.0	1985	90 12 - GPP
16	19.84	0.040	0.15	0.88	32	878	65	13 527	1 418.0	1985	91 12 - GPP
13	16.00	0.045	0.15	0.88	35	804	63	13 125	1 407.0	1985	91 12 - GPP
16	14.88	0.021	0.23	0.88	35	907	63	12 815	1 407.5	1986	91 12 - GPP
30	20.21	0.037	0.24	0.88	35	892	63	12 896	1 400.8	1986	87 01 - GPP
16	30.00	0.020	0.39	0.88	35	891	63	13 618	1 409.0	1986	89 12
16	16.51	0.040	0.20	0.88	35	899	63	13 044	1 400.3	1986	92 09 - ABAND 92 07
16	12.00	0.025	0.35	0.88	35	881	77	13 234	1 416.0	1986	91 12 - GPP
10	53.20	0.064	0.13	0.88	47	893	62	14 764	1 461.4	1987	90 12 - GPP
64	17.30	0.029	0.25	0.88	47	860	62	13 533	1 432.6	1987	92 12
64	17.00	0.056	0.22	0.88	47	892	62	13 415	1 426.1	1987	88 05 - GPP
16	59.00	0.080	0.19	0.88	47	893	62	13 137	1 409.5	1991	92 08
612	2.83	0.174	0.30	0.73	119	829	67	22 830	2 162.0	1956	71 04
64	6.73	0.091	0.30	0.67	200	830	82	24 470	2 401.7	1979	80 06
16	10.54	0.125	0.30	0.74	119	830	67	12 172	1 934.1	1985	92 11
64	7.40	0.125	0.45	0.90	35	876	43	6 545	1 100.9	1982	88 12
64	0.92	0.210	0.40	0.95	18	892	44	10 480	1 262.8	1973	84 12 - GPP
64	2.70	0.150	0.38	0.95	16	877	39	10 581	1 284.0	1982	82 12 - GPP
64	1.00	0.150	0.40	0.92	88	843	52	10 699	1 198.0	1989	90 04
192	8.90	0.240	0.19	0.82	78	880	41	9 621	1 283.0	1992	92 11
64	2.50	0.150	0.46	0.85	57	897	55	10 726	1 299.7	1978	84 12
64	1.10	0.150	0.45	0.79	88	860	55	10 575	1 303.9	1979	84 12
64	2.40	0.150	0.30	0.85	66	873	46	9 335	1 235.2	1980	80 12 - ABAND 84 07
64	3.50	0.145	0.32	0.85	58	868	43	8 700	1 260.2	1986	92 10
192	2.94	0.122	0.34	0.79	87	886	71	16 139	1 877.6	1981	85 09 - GPP
32	9.60	0.180	0.68	0.86	52	927	61	12 169	1 645.6	1985	91 10 - ABAND 89 06
128	3.78	0.130	0.47	0.86	65	878	50	12 501	1 614.9	1981	92 11
460	5.32	0.160	0.53	0.87	52	923	57	12 239	1 618.3	1985	88 09

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3	
LEDUC-WOODBEND 050-26W4									
BLAIRMORE A	1 450.0	0.20		290.0		290.0	279.2	10.8	
BLAIRMORE B	27.1	<0.08		2.1		2.1	2.1		
BLAIRMORE C	62.4	<0.01		0.1		0.1	0.1		
BLAIRMORE D	404.0	<0.03		9.8		9.8	9.8		
BLAIRMORE E	608.0	<0.04		23.3		23.3	23.3		
BLAIRMORE G	130.0	<0.01		0.7		0.7	0.7		
BLAIRMORE H	37.4	<0.02		0.4		0.4	0.4		
BLAIRMORE J	1 502.0	0.45		676.0		676.0	617.8	58.2	
BLAIRMORE K	307.0	<0.14		41.9		41.9	41.9		
BLAIRMORE Q	403.0	<0.02		4.7		4.7	4.7		
BLAIRMORE CC	254.0	0.02		5.1		5.1	1.0	4.1	
BLAIRMORE KK	248.0	<0.01		1.5		1.5	1.5		
BLAIRMORE NN	496.0	0.05		24.8		24.8	3.1	21.7	
BLAIRMORE QQ	191.0	0.10		19.1		19.1	1.5	17.6	
BLAIRMORE RR	221.0	0.10		22.1		22.1	1.4	20.7	
GLAUCONITIC A	305.0	0.03		9.2		9.2	1.6	7.6	
GLAUCONITIC B	116.0	0.10		11.6		11.6	0.5	11.1	
D-1 A	159.0	<0.03		4.0		4.0	4.0		
D-1 B	54.7	<0.18		9.8		9.8	9.8		
D-2 A WATER FLOOD	32 700.0	0.34	0.10	11 120.0	3 270.0	14 390.0	14 199.3	190.7	
D-2 B	12 500.0	0.27		3 375.0		3 375.0	3 286.0	89.0	
D-2 C	413.0	0.54		223.0		223.0	216.3	6.7	
D-2 D	99.5	0.60		59.7		59.7	56.2	3.5	
D-2 E	192.0	0.63		121.0		121.0	119.1	1.9	
D-2 F	318.0	0.20		63.6		63.6	57.3	6.3	
D-2 H	221.0	0.15		33.2		33.2	0.4	32.8	
D-3 A WATER FLOOD	61 200.0	<0.56	0.10	33 700.0	6 120.0	39 820.0	39 489.0	331.0	
D-3 B	2 380.0	0.52		1 238.0		1 238.0	1 206.9	31.1	
D-3 C	144.0	<0.52		73.7		73.7	73.7		
D-3 D	113.0	<0.40		44.3		44.3	44.3		
D-3 E	403.0	0.10		40.3		40.3	32.7	7.6	
D-3 F	1 035.0	0.57		590.0		590.0	573.4	16.6	
D-3 G	153.0	0.30		45.9		45.9	20.3	25.6	
D-3 H	105.0	<0.04		3.8		3.8	3.8		
D-3 I	118.0	<0.07		7.5		7.5	7.5		
D-3 J	180.0	0.20		36.0		36.0	23.3	12.7	
D-3 K	84.3	<0.01		0.3		0.3	0.3		
D-3 L	72.5	<0.01		0.6		0.6	0.6		
D-3 M	213.0	<0.01		0.1		0.1	0.1		
D-3 N	76.1	<0.06		4.2		4.2	4.2		
FIELD TOTAL	119 696.0			51 936.4	9 390.0	61 326.4	60 419.1	907.3	
LEGAL 057-25W4									
MIDDLE VIKING A	434.0	0.52		226.0		226.0	215.5	10.5	
MANNVILLE B	37.1	<0.03		1.0		1.0	1.0		
D-3 A	32.4	<0.01		0.1		0.1	0.1		
FIELD TOTAL	503.5			227.1		227.1	216.6	10.5	
LELAND 059-25W5									
CARDIUM A	102.0	<0.01		0.5		0.5	0.5		
SECOND WHITE SPECKS A	164.0	<0.01		0.1		0.1	0.1		
SECOND WHITE SPECKS B	113.0	<0.01		0.7		0.7	0.7		
FIELD TOTAL	379.0			1.3		1.3	1.3		
LEO 036-17W4									
UPPER MANNVILLE A	772.0	0.10		77.2		77.2	33.5	43.7	
UPPER MANNVILLE C	333.0	0.05		16.7		16.7	5.0	11.7	
UPPER MANNVILLE D	163.0	0.10		16.3		16.3	14.1	2.2	
UPPER MANNVILLE E	481.0	0.03		14.4		14.4	3.2	11.2	
UPPER MANNVILLE F	442.0	0.03		13.3		13.3	4.0	9.3	
UPPER MANNVILLE H	207.0	0.10		20.7		20.7	2.9	17.8	
UPPER MANNVILLE J	127.0	0.05		6.4		6.4	2.7	3.7	
FIELD TOTAL	2 525.0			165.0		165.0	65.4	99.6	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
338	3.90	0.183	0.23	0.78	94	834	57	9 790	1 305.2	1951	81 12 - GPP
16	1.86	0.150	0.25	0.81	93	834	57	9 650	1 297.8	1951	71 12 - ABAND 62 06
16	4.57	0.150	0.28	0.79	93	825	58	10 170	1 316.7	1952	62 05 - ABAND 56 08
69	8.23	0.150	0.45	0.86	53	887	57	10 340	1 376.2	1952	74 04 - ABAND 74 03
65	10.97	0.150	0.28	0.79	98	825	60	10 240	1 347.8	1952	62 10 - GPP
16	9.45	0.150	0.28	0.79	93	825	59	10 240	1 358.5	1953	68 03 - ABAND 54 11
16	2.74	0.150	0.28	0.79	93	825	56	9 760	1 278.6	1950	68 03 - ABAND 51 05
406	3.29	0.200	0.24	0.74	93	825	54	9 650	1 287.5	1948	91 07 - GPP
119	3.05	0.143	0.28	0.82	98	825	62	10 340	1 334.7	1951	82 12 - GPP
64	6.00	0.190	0.30	0.79	83	826	54	9 881	1 300.0	1948	88 12 - ABAND 91 11
64	4.60	0.150	0.28	0.80	98	825	60	10 124	1 317.0	1953	79 12 - GPP
64	4.00	0.220	0.45	0.80	83	827	54	9 460	1 304.3	1983	83 11
64	7.00	0.200	0.30	0.79	83	837	42	9 622	1 356.2	1949	86 11 - GPP
64	3.00	0.180	0.30	0.79	83	827	45	9 429	1 284.7	1948	88 10
64	5.70	0.160	0.52	0.79	83	826	54	9 273	1 354.5	1985	91 12
64	4.60	0.180	0.36	0.90	33	840	45	9 117	1 306.5	1984	89 12 - GPP
32	3.20	0.190	0.30	0.85	62	861	62	10 012	1 311.2	1991	92 02
65	5.39	0.074	0.25	0.82	71	820	58	9 890	1 366.1	1963	75 12 - GPP
98	0.91	0.100	0.25	0.82	74	820	54	10 310	1 382.3	1964	68 03 - GPP
9 169	18.90	0.034	0.26	0.75	115	834	63	12 200	1 555.4	1947	91 12 - GPP
4 641	11.33	0.048	0.34	0.75	98	834	60	12 650	1 603.9	1950	85 05 - GPP
309	5.18	0.043	0.20	0.75	110	834	62	12 200	1 660.2	1950	87 12 - GPP
110	8.08	0.020	0.30	0.80	109	834	63	12 200	1 660.2	1951	88 12 - GPP
128	9.02	0.028	0.30	0.85	109	834	62	12 200	1 593.2	1950	81 12 - GPP
199	8.29	0.033	0.24	0.77	111	834	64	13 070	1 653.5	1960	77 12 - GPP
64	22.70	0.030	0.35	0.78	87	833	65	11 399	1 612.4	1991	91 11
8 812	10.77	0.100	0.14	0.75	98	825	66	13 070	1 620.0	1947	85 12 - GPP
751	7.99	0.060	0.13	0.76	85	825	66	13 070	1 653.5	1948	88 12 - GPP
53	5.18	0.080	0.13	0.76	85	825	67	13 070	1 649.6	1950	71 12 - ABAND 71 10
24	8.84	0.080	0.13	0.76	85	825	67	13 070	1 590.1	1949	72 05 - ABAND 66 01
65	10.67	0.090	0.14	0.75	85	825	48	11 620	1 634.6	1967	83 12 - GPP
81	20.91	0.093	0.10	0.73	94	825	61	11 710	1 658.1	1968	90 12 - GPP
65	4.27	0.090	0.19	0.76	103	839	66	11 790	1 702.9	1950	75 11 - GPP
64	4.00	0.065	0.17	0.76	99	847	74	13 000	1 659.2	1984	86 03 - GPP
32	5.50	0.100	0.12	0.76	98	833	66	11 356	1 653.3	1985	90 12 - ABAND 90 12
64	7.00	0.066	0.20	0.76	99	848	54	11 820	1 690.5	1985	91 12 - GPP
64	1.70	0.120	0.15	0.76	94	812	67	11 598	1 687.2	1985	86 06 - ABAND 88 05
64	2.30	0.090	0.28	0.76	94	826	63	11 757	1 706.2	1985	86 06 - ABAND 88 05
64	6.30	0.080	0.13	0.76	94	838	63	11 166	1 648.9	1985	89 12 - ABAND 91 09
65	1.22	0.150	0.20	0.80	115	845	66	12 386	1 762.4	1961	75 12 - ABAND 70 05
233	1.50	0.180	0.25	0.92	36	876	36	5 860	853.7	1952	92 12 - GPP
16	1.83	0.190	0.25	0.89	30	876	43	6 900	1 070.5	1950	68 03 - ABAND 66 06
16	3.20	0.090	0.12	0.80	55	946	44	11 365	1 458.3	1984	85 02 - ABAND 86 11
64	3.00	0.100	0.23	0.69	150	822	71	21 020	2 209.2	1980	88 12
64	5.00	0.120	0.38	0.69	140	823	80	23 352	2 496.5	1980	89 12
64	3.00	0.120	0.29	0.69	140	823	80	22 830	2 432.0	1980	85 02
149	4.36	0.200	0.34	0.90	37	855	39	8 203	1 153.2	1983	88 02 - GPP
128	3.08	0.160	0.40	0.88	51	855	35	6 664	1 164.3	1975	87 07 - GPP
64	1.80	0.220	0.27	0.88	53	844	40	7 983	1 155.8	1977	83 12 - GPP
64	7.92	0.154	0.30	0.88	45	865	40	7 164	1 141.7	1978	85 12 - GPP
64	6.70	0.156	0.25	0.88	43	855	28	7 960	1 146.4	1971	79 12 - GPP
32	4.00	0.240	0.26	0.91	33	869	39	7 588	1 148.0	1987	88 09
64	1.60	0.220	0.38	0.91	33	870	39	8 096	1 154.2	1988	89 06 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
LESSARD 124-17W5								
KEG RIVER A	161.0	0.30		48.3		48.3	18.2	30.1
KEG RIVER B	139.0	0.04		5.6		5.6	5.6	
KEG RIVER C	165.0	<0.06		9.8		9.8	9.8	
FIELD TOTAL	465.0			63.7		63.7	33.6	30.1
LITTLE HORSE 077-12W5								
SLAVE POINT A	79.7	<0.01		0.2		0.2	0.2	
GILWOOD A	138.0	0.05		6.9		6.9	3.6	3.3
GILWOOD B	120.0	0.15		18.0		18.0	4.6	13.4
GILWOOD C	282.0	0.20		56.4		56.4	11.2	45.2
GILWOOD E	323.0	0.25		80.8		80.8	48.0	32.8
GILWOOD F	82.6	<0.01		0.4		0.4	0.4	
FIELD TOTAL	1 025.3			162.7		162.7	68.0	94.7
LITTLE SMOKY 067-22W5 D-3	397.0	0.50		199.0		199.0	193.6	5.4
FIELD TOTAL	397.0			199.0		199.0	193.6	5.4
LOCHEND 027-03W5								
CARDIUM D	57.0	0.10		5.7		5.7	0.4	5.3
CARDIUM F	35.8	0.03		1.1		1.1	1.0	0.1
CARDIUM G	150.0	0.10		15.0		15.0	3.0	12.0
CARDIUM H	141.0	0.10		14.1		14.1	5.4	8.7
CARDIUM I	58.6	0.15		8.8		8.8	6.6	2.2
CARDIUM J	122.0	0.10		12.2		12.2	2.3	9.9
CARDIUM K	219.0	0.05		11.0		11.0	1.5	9.5
CARDIUM L	78.8	0.10		7.9		7.9	4.2	3.7
CARDIUM M	96.3	0.10		9.6		9.6	8.1	1.5
CARDIUM A,C & E	11 270.0	<0.06		640.0		640.0	568.1	71.9
VIKING A	115.0	<0.02		2.0		2.0	2.0	
BANFF A	100.0	0.20		20.0		20.0	4.2	15.8
FIELD TOTAL	12 443.5			747.4		747.4	606.8	140.6
LOMOND 018-23W4								
GLAUCONITIC A	58.0	<0.02		0.8		0.8	0.8	
ELLERSLIE A	67.1	<0.02		0.8		0.8	0.8	
ELLERSLIE B	101.0	<0.01		0.4		0.4	0.4	
ELLERSLIE C	82.5	<0.01		0.1		0.1	0.1	
SAWTOOTH A	154.0	<0.03		4.3		4.3	4.3	
FIELD TOTAL	462.6			6.4		6.4	6.4	
LONE PINE CREEK 030-28W4								
ELLERSLIE A	149.0	0.10		14.9		14.9	2.5	12.4
D-2 A	500.0	0.20		100.0		100.0	68.6	31.4
D-3 A	2 350.0	<0.02		29.2		29.2	29.1	0.1
FIELD TOTAL	2 999.0			144.1		144.1	100.2	43.9
LONG COULEE 016-21W4								
GLAUCONITIC F	877.0	0.10		87.7		87.7	51.7	36.0
GLAUCONITIC G	118.0	0.10		11.8		11.8	7.2	4.6
GLAUCONITIC H	360.0	0.20		72.0		72.0	48.4	23.6
GLAUCONITIC J	298.0	0.20		59.6		59.6	36.3	23.3
GLAUCONITIC N	106.0	<0.02		1.1		1.1	1.1	
GLAUCONITIC O	2 701.0	0.15		405.0		405.0	65.2	339.8
GLAUCONITIC R	543.0	0.10		54.3		54.3	27.5	26.8
GLAUCONITIC T	275.0	0.30		82.5		82.5	42.5	40.0
GLAUCONITIC U	190.0	0.10		19.0		19.0	4.4	14.6
GLAUCONITIC V	101.0	<0.01		0.1		0.1	0.1	
GLAUCONITIC X	89.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC BB	166.0	0.10		16.6		16.6	0.1	16.5
GLAUCONITIC CC	122.0	0.20		24.4		24.4	19.1	5.3
SUNBURST C	265.0	<0.01		1.3		1.3	1.3	
SUNBURST E	161.0	<0.01		1.1		1.1	1.1	
SUNBURST F	301.0	0.10		30.1		30.1	4.4	25.7
SUNBURST H	106.0	0.10		10.6		10.6	3.1	7.5

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	7.00	0.050	0.19	0.89	32	895	56	9 824	997.6	1974	86 12
16	42.80	0.030	0.25	0.90	32	889	50	10 132	1 033.4	1984	92 12 - ABAND 90 03
64	52.00	0.010	0.43	0.87	42	880	60	9 963	1 016.0	1985	86 05 - ABAND 90 03
64	1.30	0.150	0.29	0.90	30	839	57	17 720	1 893.9	1985	89 12 - ABAND 91 02
64	2.73	0.126	0.27	0.86	69	828	65	20 341	2 038.6	1987	92 12
64	3.90	0.127	0.56	0.86	50	840	61	21 007	2 118.2	1987	92 05 - GPP
64	7.04	0.130	0.44	0.86	42	831	63	19 939	1 992.6	1986	92 08
184	1.96	0.170	0.38	0.85	30	824	64	20 566	2 048.3	1987	90 04
64	1.80	0.130	0.38	0.89	45	849	56	19 184	1 975.3	1988	92 10
97	12.44	0.068	0.18	0.59	205	825	90	27 790	2 660.9	1954	76 12 - GPP
64	2.00	0.100	0.45	0.81	119	834	68	20 365	2 103.8	1983	84 11 - GPP
64	1.32	0.062	0.10	0.76	110	834	52	20 287	2 204.7	1985	85 09 - GPP
64	3.30	0.110	0.15	0.76	110	848	58	21 537	2 349.7	1981	82 03 - GPP
64	3.10	0.110	0.10	0.72	125	824	68	18 678	2 221.6	1980	87 04 - GPP
64	1.30	0.109	0.15	0.76	115	824	57	18 267	2 223.5	1982	89 12 - GPP
64	3.90	0.080	0.15	0.72	135	824	56	24 978	2 287.7	1983	83 06
64	5.60	0.090	0.15	0.80	94	827	58	20 466	2 171.0	1986	87 09 - GPP
64	1.80	0.100	0.10	0.76	109	825	54	25 465	2 197.9	1985	88 01 - GPP
64	2.20	0.100	0.10	0.76	105	820	56	27 442	2 274.7	1986	86 06
9 984	1.65	0.100	0.10	0.76	109	825	54	25 238	2 244.7	1981	92 12 - GPP
16	12.00	0.110	0.22	0.70	140	831	70	24 298	2 517.1	1981	89 12
64	28.00	0.010		0.56	248	837	99	40 500	3 099.7	1991	91 12
32	1.80	0.180	0.30	0.80	94	857	46	9 810	1 641.0	1985	91 10 - ABAND 89 03
64	1.80	0.130	0.44	0.80	95	874	44	14 525	1 599.3	1981	82 09
64	2.75	0.120	0.40	0.80	81	868	44	14 365	1 631.2	1985	85 12 - ABAND 87 08
64	2.20	0.120	0.39	0.80	81	868	44	14 865	1 696.3	1985	85 11 - ABAND 89 03
64	4.00	0.150	0.50	0.80	85	868	50	13 694	1 691.5	1984	85 03 - ABAND 88 06
64	4.20	0.100	0.35	0.85	66	886	43	14 212	2 127.2	1958	90 10 - GPP
497	2.92	0.070	0.22	0.63	155	825	71	22 213	2 373.5	1965	89 04 - GPP
1 616	3.96	0.080	0.15	0.54	237	806	82	22 820	2 441.8	1963	82 12 - GPP
320	2.38	0.180	0.20	0.80	94	834	46	10 950	1 500.8	1967	90 06 - GPP
64	2.30	0.150	0.33	0.80	94	854	46	10 332	1 470.2	1982	84 12 - GPP
196	1.59	0.190	0.24	0.80	94	838	46	12 140	1 431.0	1981	92 12
252	1.47	0.150	0.33	0.80	94	858	46	13 770	1 533.3	1986	92 12
64	2.44	0.150	0.50	0.90	39	829	38	13 410	1 412.4	1976	83 12 - GPP
1 308	1.65	0.180	0.21	0.88	80	848	43	13 290	1 507.0	1983	92 06
256	1.88	0.170	0.21	0.84	66	865	41	11 218	1 482.2	1980	88 11
29	6.56	0.210	0.14	0.80	92	872	38	12 286	1 285.5	1987	90 07 - GPP
64	3.40	0.180	0.40	0.81	90	853	41	13 418	1 651.8	1981	81 08 - GPP
64	2.30	0.150	0.43	0.80	93	834	46	11 825	1 242.0	1989	89 10 - ABAND 91 02
64	1.40	0.170	0.27	0.80	92	872	38	12 303	1 285.1	1986	90 07 - GPP
64	2.40	0.180	0.25	0.80	94	834	46	11 653	1 488.8	1990	90 10 - GPP
64	2.00	0.170	0.30	0.80	94	858	46	12 399	1 505.7	1983	90 12
65	4.27	0.200	0.40	0.80	83	860	43	13 510	1 451.5	1974	89 12
64	4.50	0.140	0.50	0.80	95	860	43	13 500	1 484.3	1982	82 07 - ABAND 84 07
64	7.00	0.200	0.60	0.84	68	844	38	13 730	1 517.1	1979	84 05 - GPP
64	1.52	0.200	0.35	0.84	67	860	45	12 580	1 342.8	1976	77 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
LONG COULEE 016-21W4 (CONTINUED)								
SUNBURST I	1 214.0	0.15		182.0		182.0	108.3	73.7
SUNBURST K	3 003.0	0.10		300.0		300.0	46.2	253.8
SUNBURST L	79.1	0.15		11.9		11.9	1.6	10.3
ELLERSLIE A	194.0	0.10		19.4		19.4	3.5	15.9
SAWTOOTH D	285.0	0.10		28.5		28.5	0.8	27.7
FIELD TOTAL	11 554.1			1 419.4		1 419.4	474.3	945.1
LOON 085-09W5								
SLAVE POINT A TOTAL	5 820.0			175.0	111.0	286.0	218.4	67.6
PRIMARY AREA	3 027.0	0.03		90.9		90.9		
WATER FLOOD AREA	2 793.0	<0.04	0.04	84.1	111.0	195.0		
SLAVE POINT C	619.0	0.10		61.9		61.9	23.8	38.1
SLAVE POINT D	78.8	0.05		3.9		3.9	2.9	1.0
SLAVE POINT E	508.0	0.02		10.2		10.2	4.8	5.4
SLAVE POINT G	6 600.0	0.05		330.0		330.0	183.9	146.1
SLAVE POINT I	355.0	0.05		17.8		17.8	0.4	17.4
SLAVE POINT J	82.1	0.10		8.2		8.2	3.1	5.1
GRANITE WASH A	630.0	0.20		126.0		126.0	112.0	14.0
GRANITE WASH B	1 400.0	0.10		140.0		140.0	108.8	31.2
GRANITE WASH C	170.0	0.20		34.0		34.0	30.3	3.7
GRANITE WASH D	194.0	<0.03		4.1		4.1	4.1	
GRANITE WASH E	1 861.0	0.25		466.0		466.0	166.8	299.2
GRANITE WASH H	74.3	0.04		3.0		3.0	1.8	1.2
GRANITE WASH I	162.0	<0.01		1.3		1.3	1.3	
GRANITE WASH J	414.0	0.25		104.0		104.0	82.5	21.5
GRANITE WASH K	341.0	0.20		68.2		68.2	22.4	45.8
GRANITE WASH L	188.0	0.05		9.4		9.4	5.6	3.8
GRANITE WASH M	392.0	0.10		39.2		39.2	5.8	33.4
GRANITE WASH N	91.6	0.15		13.7		13.7	1.1	12.6
GRANITE WASH O	28.8	0.10		2.9		2.9	0.4	2.5
FIELD TOTAL	20 009.6			1 618.8	111.0	1 729.8	980.2	749.6
LOUSANA 036-21W4 D-2	447.0	0.35		156.0		156.0	133.1	22.9
FIELD TOTAL	447.0			156.0		156.0	133.1	22.9
LUBICON 087-10W5								
GRANITE WASH B	420.0	0.25		105.0		105.0	67.9	37.1
GRANITE WASH C	318.0	0.20		63.6		63.6	48.8	14.8
GRANITE WASH D	236.0	0.05		11.8		11.8	4.1	7.7
FIELD TOTAL	974.0			180.4		180.4	120.8	59.6
LUNNFORD 059-03W5								
ELLERSLIE D	322.0	0.05		16.1		16.1	1.9	14.2
FIELD TOTAL	322.0			16.1		16.1	1.9	14.2
MAJORVILLE 018-19W4								
UPPER MANNVILLE B	1 627.0	0.15		244.0		244.0	223.9	20.1
UPPER MANNVILLE C	297.0	0.10		29.7		29.7	13.0	16.7
UPPER MANNVILLE G	136.0	0.15		20.4		20.4	1.3	19.1
UPPER MANNVILLE H	101.0	<0.03		3.0		3.0	3.0	
UPPER MANNVILLE I	52.0	0.05		2.6		2.6	0.9	1.7
UPPER MANNVILLE O	77.2	0.10		7.7		7.7	0.5	7.2
LOWER MANNVILLE A	160.0	0.05		8.0		8.0	6.0	2.0
LOWER MANNVILLE C	82.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE D	48.2	<0.01		0.1		0.1	0.1	
FIELD TOTAL	2 580.4			315.9		315.9	249.1	66.8
MALMO 043-22W4								
BLAIRMORE A	1 270.0	0.18		229.0		229.0	190.4	38.6
ELLERSLIE C	142.0	0.03		4.3		4.3	3.0	1.3
ELLERSLIE D	55.3	<0.01		0.1		0.1	0.1	
D-2 A	2 570.0	0.45		1 157.0		1 157.0	1 143.0	14.0
D-2 B	15.8	0.30		4.7		4.7	0.4	4.3
D-3 A	1 600.0	0.52		832.0		832.0	802.2	29.8

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
654	2.73	0.170	0.50	0.80	94	834	46	13 023	1 420.1	1989	91 07
1 016	4.24	0.150	0.44	0.83	80	849	43	12 542	1 526.5	1991	92 06
128	0.99	0.160	0.53	0.83	80	849	43	11 018	1 574.6	1989	92 04
64	4.00	0.120	0.30	0.90	168	750	43	13 742	1 442.7	1979	80 04
64	3.20	0.260	0.33	0.80	95	914	35	12 591	1 292.7	1985	86 04
1 914	10.72	0.065	0.35	0.87	24	820	48	15 130	1 415.2	1965	88 01
768	7.55	0.053	0.30	0.87							- GPP
1 146	5.99	0.064	0.31	0.87	44	820	45	14 231	1 369.6	1984	91 12 - GPP
269	4.50	0.050	0.37	0.87	45	820	44	13 883	1 372.7	1980	85 03 - GPP
64	11.40	0.090	0.15	0.91	29	827	44	14 171	1 381.4	1983	87 12 - GPP
64	9.16	0.070	0.30	0.87	44	830	44	14 602	1 320.7	1985	92 08
1 690	18.30	0.060	0.42	0.87	18	825	38	15 072	1 399.0	1987	90 06 - GPP
64	4.03	0.062	0.41	0.87	47	834	40	15 789	1 414.7	1986	91 02 - GPP
652	1.25	0.127	0.30	0.87	51	820	77	16 510	1 526.4	1965	87 10 - GPP
436	3.87	0.160	0.39	0.85	55	828	45	15 905	1 482.9	1982	91 12 - GPP
128	1.98	0.116	0.32	0.85	51	845	49	16 208	1 571.9	1985	88 12 - GPP
64	3.40	0.150	0.30	0.85	64	830	42	16 933	1 469.5	1982	86 03 - ABAND 90 03
640	3.38	0.157	0.37	0.87	48	835	36	15 314	1 425.0	1985	87 12 - GPP
32	3.00	0.150	0.40	0.86	51	821	49	16 152	1 538.5	1985	92 12 - GPP
64	3.00	0.160	0.38	0.85	55	829	48	16 440	1 490.3	1983	87 07 - ABAND 90 03
218	2.15	0.154	0.34	0.87	51	825	49	16 560	1 488.5	1966	91 12 - GPP
64	5.20	0.180	0.33	0.85	55	830	48	15 462	1 472.2	1987	88 05 - GPP
64	3.00	0.170	0.33	0.86	51	821	49	13 868	1 511.0	1988	91 12 - GPP
64	5.30	0.190	0.30	0.87	39	837	41	15 169	1 483.6	1989	90 02 - GPP
64	3.20	0.130	0.60	0.86	51	821	49	16 182	1 504.3	1984	90 04
64	1.17	0.080	0.44	0.86	51	821	49	15 059	1 564.3	1981	92 02 - GPP
182	4.93	0.069	0.14	0.84	55	839	70	14 580	1 787.7	1960	92 12 - GPP
73	4.22	0.220	0.27	0.85	60	834	34	15 477	1 451.0	1968	86 12
60	3.39	0.233	0.21	0.85	60	834	44	15 899	1 440.2	1962	86 12 - GPP
64	3.00	0.213	0.33	0.85	57	846	37	15 880	1 483.5	1986	89 12 - GPP
128	3.74	0.150	0.49	0.88	47	889	34	8 039	1 121.6	1991	92 11
208	4.92	0.220	0.15	0.85	58	887	60	11 810	1 330.4	1974	87 05
65	3.03	0.240	0.26	0.85	58	887	60	12 740	1 424.3	1975	76 09 - GPP
64	2.00	0.180	0.30	0.84	72	870	40	12 125	1 382.0	1986	87 05 - GPP
64	2.00	0.140	0.32	0.83	70	872	42	12 169	1 380.5	1981	82 06 - ABAND 88 04
16	4.30	0.130	0.30	0.83	73	846	32	11 781	1 346.3	1987	92 07 - GPP
64	1.70	0.150	0.45	0.86	65	868	40	11 746	1 349.9	1991	92 06
64	3.66	0.160	0.50	0.85	66	876	40	12 810	1 344.5	1976	85 12 - GPP
64	1.80	0.135	0.38	0.85	60	872	40	12 379	1 387.1	1987	92 10 - ABAND 91 10
16	3.30	0.200	0.45	0.83	83	903	45	11 880	1 386.7	1986	92 09 - ABAND 92 06
203	4.08	0.252	0.24	0.80	78	825	56	10 170	1 436.5	1952	90 12
64	2.00	0.240	0.45	0.84	69	843	55	9 146	1 401.0	1983	92 12 - GPP
64	1.20	0.170	0.45	0.77	95	882	66	9 095	1 389.3	1989	90 01 - ABAND 89 11
573	15.30	0.047	0.20	0.78	95	834	57	11 510	1 544.1	1952	86 12 - GPP
16	3.20	0.050	0.20	0.77	94	828	57	11 500	1 518.4	1953	92 12
220	15.54	0.070	0.12	0.76	111	834	58	14 860	1 609.6	1952	92 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
MALMO 043-22W4 (CONTINUED)								
D-3 C	71.1	<0.02		0.8		0.8	0.8	
D-3 D	120.0	<0.01		1.0		1.0	1.0	
FIELD TOTAL	5 844.2			2 228.9		2 228.9	2 140.9	88.0
MANIR 072-03W6								
CHARLIE LAKE A	4 065.0	0.15		610.0		610.0	191.3	418.7
CHARLIE LAKE E	271.0	<0.01		0.1		0.1	0.1	
CHARLIE LAKE F	135.0	<0.01		0.1		0.1	0.1	
CHARLIE LAKE G	173.0	0.10		17.3		17.3	4.8	12.5
CHARLIE LAKE H	159.0	0.15		23.9		23.9	10.1	13.8
FIELD TOTAL	4 803.0			651.4		651.4	206.4	445.0
MANITO 042-20W4								
GLAUCONITIC A	167.0	<0.01		1.5		1.5	1.5	
ELLERSLIE A,B,C & D	163.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	330.0			1.9		1.9	1.9	
MANOLA 059-02W5								
LOWER MANNVILLE E	1 639.0	0.05		82.0		82.0	36.4	45.6
LOWER MANNVILLE F	275.0	0.05		13.8		13.8	4.9	8.9
LOWER MANNVILLE H	346.0	0.05		17.3		17.3	2.7	14.6
LOWER MANNVILLE I	461.0	0.10		46.1		46.1	6.2	39.9
LOWER MANNVILLE J	88.4	0.15		13.3		13.3	1.6	11.7
LOWER MANNVILLE K	228.0	0.10		22.8		22.8	3.9	18.9
FIELD TOTAL	3 037.4			195.3		195.3	55.7	139.6
MANYBERRIES 005-05W4								
GLAUCONITIC A	38.7	0.10		3.9		3.9	0.2	3.7
SUNBURST A	500.0	0.18		90.0		90.0	85.7	4.3
SUNBURST B	2 234.0	0.18		402.0		402.0	323.7	78.3
SUNBURST C	644.0	0.25		161.0		161.0	117.2	43.8
SUNBURST J	281.0	0.10		28.1		28.1	23.2	4.9
SUNBURST L	147.0	<0.02		2.4		2.4	2.4	
SUNBURST O	1 840.0	0.14		258.0		258.0	196.7	61.3
SUNBURST Q TOTAL	3 628.0			726.0	462.0	1 188.0	531.4	656.6
PRIMARY AREA	330.0	0.20		66.0		66.0		
WATER FLOOD AREA	3 298.0	0.20	0.14	660.0	462.0	1 122.0		
SUNBURST U	419.0	0.10		41.9		41.9	32.9	9.0
SUNBURST AA	288.0	0.10		28.8		28.8	6.4	22.4
SUNBURST CC	90.5	<0.01		0.6		0.6	0.6	
SUNBURST FF	130.0	0.10		13.0		13.0	1.4	11.6
SUNBURST HH	450.0	0.05		22.5		22.5	6.1	16.4
SUNBURST II	149.0	0.15		22.4		22.4	14.2	8.2
SUNBURST JJ TOTAL	2 201.0			330.0	212.0	542.0	417.0	125.0
PRIMARY AREA	879.0	0.15		132.0		132.0		
WATER FLOOD AREA	1 322.0	0.15	0.16	198.0	212.0	410.0		
SUNBURST KK	1 906.0	0.12		229.0		229.0	165.3	63.7
SUNBURST LL	547.0	0.16		87.5		87.5	81.7	5.8
SUNBURST OO	1 700.0	0.15		255.0		255.0	187.8	67.2
SUNBURST SS	256.0	0.05		12.8		12.8	8.1	4.7
SUNBURST VV	794.0	0.20		159.0		159.0	115.5	43.5
SUNBURST WW	150.0	0.10		15.0		15.0	4.0	11.0
SUNBURST YY	114.0	0.05		5.7		5.7	0.1	5.6
SUNBURST ZZ	430.0	0.05		21.5		21.5	2.0	19.5
SUNBURST AAA	66.9	0.15		10.0		10.0	1.9	8.1
SUNBURST BBB	190.0	0.35		66.5		66.5	55.7	10.8
SUNBURST CCC	31.1	0.20		6.2		6.2	3.5	2.7
SUNBURST DDD	114.0	0.05		5.7		5.7	0.1	5.6
SUNBURST GGG	15.4	0.10		1.5		1.5	0.4	1.1
SUNBURST HHH	106.0	0.10		10.6		10.6		10.6
SWIFT B	666.0	0.10		66.6		66.6	42.2	24.4
FIELD TOTAL	20 126.6			3 083.2	674.0	3 757.2	2 427.4	1 329.8
MARKERVILLE 036-02W5								
VIKING A	100.0	0.20		20.0		20.0	17.9	2.1
VIKING B	105.0	<0.01		0.3		0.3	0.3	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
65	2.44	0.067	0.12	0.76	111	829	56	14 860	1 630.4	1965	73 02 - GPP
16	16.90	0.074	0.25	0.80	70	886	50	12 493	1 640.9	1979	92 11 - GPP
2 100	2.75	0.147	0.43	0.84	56	873	50	15 459	1 690.3	1986	88 07
64	7.33	0.093	0.26	0.84	60	836	47	15 321	1 695.1	1987	92 10
64	3.73	0.110	0.39	0.84	60	825	67	15 961	1 804.2	1987	88 06
64	2.20	0.190	0.17	0.78	80	839	63	16 019	1 834.9	1984	85 08
64	1.84	0.194	0.13	0.80	76	850	50	15 558	1 818.5	1985	85 09 - GPP
64	2.80	0.160	0.30	0.83	70	850	41	9 039	1 265.6	1980	81 02
16	9.20	0.190	0.27	0.80	47	856	42	9 390	1 297.2	1980	92 11
781	2.63	0.170	0.46	0.87	54	891	37	8 274	1 077.1	1984	92 11 - GPP
128	2.69	0.180	0.49	0.87	55	891	37	8 322	1 083.6	1985	91 12 - GPP
64	5.00	0.180	0.31	0.87	54	911	34	8 384	1 066.5	1986	89 12 - GPP
182	2.36	0.190	0.35	0.87	57	892	33	8 459	1 099.8	1990	92 06
64	1.90	0.190	0.56	0.87	57	892	33	8 921	1 084.4	1990	91 10
102	2.30	0.180	0.38	0.87	57	892	33	8 620	1 072.1	1991	92 06
64	1.00	0.090	0.27	0.92	32	824	33	8 984	1 157.5	1987	89 06
192	1.93	0.210	0.30	0.92	66	834	36	9 000	1 122.4	1962	86 07 - GPP
719	2.74	0.200	0.37	0.90	48	829	30	9 070	1 227.1	1955	91 12 - GPP
359	1.30	0.260	0.39	0.87	66	839	34	8 990	1 119.2	1967	91 06 - GPP
183	1.12	0.230	0.30	0.85	51	883	37	8 960	1 158.2	1963	84 03 - GPP
65	1.52	0.270	0.35	0.85	53	855	37	8 950	1 270.4	1972	75 12 - GPP
310	6.63	0.210	0.51	0.87	71	839	35	8 960	1 080.5	1971	92 05
780					57	838	32	9 217	1 079.5	1978	92 01
162	2.17	0.180	0.40	0.87							
618	5.68	0.180	0.40	0.87							- GPP
64	4.00	0.250	0.23	0.85	66	830	36	9 017	1 027.0	1980	81 02
64	6.50	0.140	0.45	0.90	32	824	40	9 625	1 216.5	1984	84 11 - GPP
32	2.10	0.220	0.28	0.85	32	824	33	8 729	1 145.0	1971	92 10
32	4.69	0.140	0.27	0.85	60	838	33	8 326	1 091.0	1984	89 08 - GPP
128	3.62	0.180	0.38	0.87	50	837	34	9 046	1 076.0	1984	86 11 - GPP
64	2.00	0.195	0.38	0.96	14	837	35	9 087	1 064.1	1984	91 12
530					28	834	40	9 156	1 115.5	1970	92 07
258	2.85	0.200	0.35	0.92							- GPP
272	4.06	0.200	0.35	0.92							- GPP
793	2.58	0.170	0.37	0.87	57	839	32	9 046	1 067.7	1970	89 04 - GPP
257	1.32	0.260	0.32	0.91	66	839	34	9 347	1 169.0	1984	92 05
388	4.66	0.180	0.40	0.87	57	838	32	9 190	1 054.8	1977	87 08 - GPP
130	1.72	0.210	0.40	0.91	28	825	40	9 147	1 184.8	1955	92 02 - GPP
223	3.30	0.170	0.31	0.92	32	824	33	7 951	1 165.5	1988	90 12
64	3.00	0.130	0.34	0.91	28	825	40	7 550	1 111.5	1988	89 01 - GPP
32	4.30	0.180	0.50	0.92	32	824	33	7 615	1 166.2	1988	91 12
64	4.80	0.240	0.33	0.87	57	838	32	7 291	1 046.4	1988	89 06 - GPP
64	1.40	0.130	0.34	0.87	66	841	35	8 956	1 043.3	1988	89 10 - GPP
100	1.25	0.250	0.30	0.87	66	839	34	9 046	1 119.2	1967	92 12 - GPP
32	1.01	0.170	0.35	0.87	57	838	32	8 878	1 283.4	1991	91 12
64	1.50	0.220	0.38	0.87	57	838	32	8 944	1 190.1	1990	91 07 - GPP
32	0.80	0.150	0.54	0.87	71	839	35	9 156	1 128.4	1983	92 04 - GPP
64	1.50	0.240	0.50	0.92	32	824	33	8 952	1 137.8	1981	92 11
64	7.80	0.216	0.29	0.87	57	838	32	8 495	1 059.6	1986	91 12
167	1.84	0.070	0.38	0.75	102	833	66	12 810	1 902.6	1976	85 04 - GPP
64	3.10	0.120	0.41	0.75	95	852	63	9 620	1 905.3	1977	83 12 - ABAND 82 10

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
MARKERVILLE 036-02W5 (CONTINUED)								
VIKING C	21.0	0.04		0.8		0.8	0.3	0.5
JURASSIC A	211.0	0.05		10.6		10.6	1.9	8.7
PEKISK D	320.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	757.0			32.1		32.1	20.8	11.3
MARLBORO 055-19W5								
GETHING A	273.0	<0.01		1.2		1.2	1.2	
GETHING B	165.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	438.0			1.5		1.5	1.5	
MARLOWE 122-22W5								
KEG RIVER A	698.0	0.20		140.0		140.0	24.7	115.3
KEG RIVER B	255.0	0.20		51.0		51.0	12.6	38.4
FIELD TOTAL	953.0			191.0		191.0	37.3	153.7
MATZIWIN 023-14W4								
GLAUCONITIC A	1 798.0	0.03		53.9		53.9	40.1	13.8
GLAUCONITIC B	187.0	0.10		18.7		18.7	4.7	14.0
LOWER MANNVILLE D	112.0	<0.04		4.2		4.2	4.2	
LOWER MANNVILLE E	498.0	0.10		49.8		49.8	10.7	39.1
LOWER MANNVILLE F	200.0	0.10		20.0		20.0	4.8	15.2
PEKISK C	87.7	0.10		8.8		8.8	7.1	1.7
PEKISK D	406.0	0.10		40.6		40.6	27.2	13.4
FIELD TOTAL *	3 288.7			196.0		196.0	98.8	97.2
MCLEANS CREEK 074-21W5								
GILWOOD A	767.0	0.10		76.7		76.7	36.6	40.1
GILWOOD C	263.0	<0.01		1.2		1.2	1.2	
GILWOOD D	86.3	0.20		17.3		17.3	6.0	11.3
GILWOOD E	66.8	<0.01		0.2		0.2	0.2	
GILWOOD F	291.0	0.20		58.2		58.2	28.7	29.5
GILWOOD G	56.0	0.15		8.4		8.4	3.5	4.9
GILWOOD H	94.0	0.10		9.4		9.4	6.2	3.2
GRANITE WASH A	91.1	<0.06		5.3		5.3	5.3	
FIELD TOTAL	1 715.2			176.7		176.7	87.7	89.0
MCLEODD 056-14W5								
CARDIUM A	213.0	0.15		32.0		32.0	25.1	6.9
CARDIUM B	267.0	<0.03		6.1		6.1	6.1	
GETHING E	119.0	<0.01		0.7		0.7	0.7	
GETHING F	293.0	0.10		29.3		29.3	3.3	26.0
GETHING G	183.0	0.10		18.3		18.3	1.5	16.8
GETHING J	83.9	0.10		8.4		8.4	6.8	1.6
GETHING K	112.0	0.10		11.2		11.2	1.6	9.6
GETHING L	200.0	0.15		30.0		30.0	12.8	17.2
GETHING P & Q	225.0	0.07		15.8		15.8		15.8
ROCK CREEK C	40.1	0.20		8.0		8.0	1.9	6.1
FIELD TOTAL	1 736.0			159.8		159.8	59.8	100.0
MEDICINE RIVER 039-03W5								
CARDIUM A	81.4	0.02		1.6		1.6	0.5	1.1
CARDIUM B	154.0	0.08		12.3		12.3	3.6	8.7
VIKING A	63.4	<0.06		3.5		3.5	3.5	
VIKING D TOTAL	4 008.0			756.0	465.0	1 221.0	740.0	481.0
PRIMARY AREA	907.0	0.15		136.0		136.0		
WATER FLOOD AREA	3 101.0	0.20	0.15	620.0	465.0	1 085.0		
VIKING N	62.7	<0.03		1.6		1.6	1.6	
VIKING P	56.7	0.10		5.7		5.7	2.6	3.1
GLAUCONITIC A TOTAL	15 550.0			1 455.0	1 075.0	2 530.0	2 114.8	415.2
PRIMARY AREA	5 782.0	0.07		405.0		405.0		
WATER FLOOD AREA	9 770.0	<0.11	0.11	1 050.0	1 075.0	2 125.0		
GLAUCONITIC H	228.0	<0.01		0.5		0.5	0.5	
GLAUCONITIC I	140.0	0.05		7.0		7.0	0.5	6.5

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
16	2.00	0.120	0.35	0.84	51	840	71	12 827	1 920.3	1985	92 12
32	5.70	0.190	0.21	0.77	104	888	69	15 670	2 163.2	1990	91 05
64	19.80	0.050	0.36	0.79	79	879	74	14 701	2 217.3	1980	81 08 - ABAND 83 04
65	7.32	0.120	0.20	0.60	239	825	97	35 120	2 802.0	1969	74 05 - ABAND 70 09
65	4.27	0.120	0.17	0.60	239	820	68	34 870	2 765.5	1969	73 02 - ABAND 75 11
64	80.50	0.019	0.19	0.88	43	825	52	10 649	1 342.8	1986	89 06
64	39.00	0.020	0.42	0.88	35	858	51	10 316	1 318.6	1968	91 01 - GPP
445	4.55	0.190	0.45	0.85	68	883	32	9 727	998.1	1983	86 12 - GPP
64	4.30	0.160	0.50	0.85	64	880	32	9 625	1 004.5	1985	85 11 - GPP
64	1.70	0.190	0.36	0.85	62	887	32	9 319	1 013.2	1983	92 10
128	4.46	0.180	0.43	0.85	60	850	35	9 731	1 012.5	1986	86 11 - GPP
32	6.10	0.180	0.38	0.92	33	919	34	9 467	1 019.6	1987	88 11 - GPP
64	5.00	0.050	0.34	0.83	67	847	43	10 300	1 015.5	1986	86 11
309	4.69	0.050	0.37	0.89	47	894	34	9 825	1 021.5	1983	90 09
318	2.87	0.160	0.41	0.89	32	838	58	26 990	2 528.9	1985	91 12 - GPP
64	5.71	0.147	0.41	0.83	50	837	85	26 697	2 528.0	1987	92 10
64	2.54	0.122	0.50	0.87	36	854	86	25 771	2 587.4	1986	87 12 - GPP
64	2.19	0.099	0.42	0.83	50	834	89	27 626	2 575.3	1987	92 10
244	1.80	0.120	0.38	0.89	36	834	86	28 368	2 587.2	1987	89 08
32	3.08	0.110	0.42	0.89	36	835	86	25 972	2 625.9	1988	91 12 - GPP
32	3.23	0.140	0.27	0.89	23	827	90	27 047	2 578.3	1988	91 12 - GPP
32	3.50	0.140	0.30	0.83	50	837	85	27 838	2 558.2	1987	92 10
72	5.02	0.100	0.30	0.84	62	834	53	9 060	1 497.2	1972	84 12 - GPP
65	6.10	0.090	0.12	0.85	61	875	52	9 116	1 353.9	1963	75 12 - ABAND 75 03
64	2.90	0.120	0.37	0.85	52	883	72	13 662	2 023.2	1985	92 03 - ABAND 91 12
64	4.40	0.165	0.16	0.75	102	856	74	17 227	2 117.1	1986	87 04 - GPP
64	2.80	0.160	0.15	0.75	120	856	67	15 896	2 164.7	1986	87 07 - GPP
64	3.90	0.120	0.60	0.70	150	825	70	16 930	2 058.1	1983	84 06 - GPP
64	3.20	0.123	0.39	0.73	102	856	76	16 523	2 124.0	1986	86 12
79	5.02	0.120	0.40	0.70	156	825	82	21 895	2 221.9	1988	91 12
64	5.74	0.125	0.30	0.70	156	825	82	17 298	2 209.4	1988	89 11
64	1.00	0.110	0.24	0.75	92	850	78	18 180	2 205.5	1990	90 07
64	1.52	0.124	0.10	0.75	106	898	49	19 240	1 658.4	1963	84 12 - GPP
65	2.44	0.160	0.09	0.67	167	898	62	20 990	1 848.0	1965	85 07 - GPP
130	1.07	0.100	0.32	0.67	160	844	91	20 000	1 931.8	1963	71 05
3 960					130	813	52	14 639	1 864.0	1961	91 11 - GPP
850	1.68	0.116	0.27	0.75							
3 110	1.57	0.116	0.27	0.75							
64	2.00	0.100	0.30	0.70	130	813	52	14 857	1 888.3	1979	88 12 - ABAND 91 08
64	1.50	0.100	0.18	0.72	130	793	64	15 974	1 915.6	1988	89 11
5 289					244	839	64	26 270	2 268.9	1963	91 08 - GPP
1 657	4.93	0.140	0.21	0.64							
3 632	4.18	0.130	0.25	0.66							
64	7.00	0.100	0.25	0.68	159	840	73	14 878	2 054.3	1979	86 12 - ABAND 84 06
64	2.70	0.150	0.18	0.66	243	839	72	25 844	2 187.1	1961	90 11 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
MEDICINE RIVER 039-03W5 (CONTINUED)								
GLAUCONITIC J	106.0	0.06		6.4		6.4	5.5	0.9
GLAUC D & OSTRACOD A	2 181.0			327.0	321.0	648.0	501.5	146.5
TOTAL								
PRIMARY AREA	575.0	0.15		86.3		86.3		
WATER FLOOD AREA	1 606.0	0.15	0.20	241.0	321.0	562.0		
OSTRACOD B	461.0	0.20		92.2		92.2	72.7	19.5
OSTRACOD C	585.0	0.17		99.5		99.5	93.0	6.5
OSTRACOD P	116.0	<0.01		0.5		0.5	0.5	
OSTRACOD R	64.0	<0.03		1.4		1.4	1.4	
OSTRACOD S	111.0	0.12		13.3		13.3	12.6	0.7
OSTRACOD W	364.0	0.20		72.8		72.8	59.4	13.4
OSTRACOD Y	53.7	<0.02		0.8		0.8	0.8	
BASAL QUARTZ B TOTAL	5 800.0			406.0	145.0	551.0	425.3	125.7
PRIMARY AREA	2 900.0	0.07		203.0		203.0		
WATER FLOOD AREA	2 900.0	0.07	0.05	203.0	145.0	348.0		
BASAL QUARTZ C	64.8	<0.01		0.5		0.5	0.5	
BASAL QUARTZ D	393.0	<0.05		18.7		18.7	18.7	
BASAL QUARTZ F	138.0	<0.01		0.6		0.6	0.6	
BASAL QUARTZ G	566.0	<0.04	0.04	21.6	22.6	44.2	44.2	
WATER FLOOD								
BASAL QUARTZ H	159.0	0.11		17.5		17.5	16.4	1.1
BASAL QUARTZ I	262.0	0.13		34.0		34.0	32.7	1.3
BASAL QUARTZ J	556.0	0.08		44.5		44.5	35.7	8.8
BASAL QUARTZ K	313.0	0.20		62.6		62.6	27.1	35.5
BASAL QUARTZ Y	199.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ BB	134.0	0.20		26.8		26.8	11.2	15.6
BASAL QUARTZ HH	648.0	0.05		32.4		32.4	4.9	27.5
BASAL QUARTZ II	64.3	0.10		6.4		6.4		6.4
BASAL QUARTZ JJ	581.0	0.05		29.1		29.1	0.1	29.0
JURASSIC A	5 150.0	0.16	0.22	823.0	1 134.0	1 957.0	1 898.6	58.4
WATER FLOOD								
JURASSIC B	1 160.0	0.15		174.0		174.0	136.0	38.0
JURASSIC C TOTAL	9 000.0			1 350.0	1 657.0	3 007.0	2 051.6	955.4
PRIMARY AREA	714.0	0.15		107.0		107.0		
WATER FLOOD AREA	8 286.0	0.15	0.20	1 243.0	1 657.0	2 900.0		
JURASSIC D TOTAL	8 614.0			1 466.0	1 570.0	3 036.0	1 998.2	1 037.8
PRIMARY AREA	974.0	0.17		166.0		166.0		
WATER FLOOD AREA	7 640.0	0.17	0.21	1 300.0	1 570.0	2 870.0		
JURASSIC E	420.0	0.12		50.4		50.4	42.5	7.9
JURASSIC K	721.0	0.20		144.0		144.0	109.1	34.9
JURASSIC L	128.0	0.03		3.8		3.8	3.8	
JURASSIC O	1 006.0	0.17		171.0		171.0	25.0	146.0
JURASSIC Q	405.0	0.15		60.8		60.8	9.9	50.9
JURASSIC R	228.0	0.10		22.8		22.8	5.1	17.7
JURASSIC S	90.6	0.10		9.1		9.1	0.7	8.4
ELKTON-SHUNDA E	961.0	0.15		144.0		144.0	94.3	49.7
SHUNDA A	221.0	<0.01		1.8		1.8	1.8	
PEKISKO B	869.0	0.15	0.05	130.0	43.5	174.0	136.5	37.5
WATER FLOOD								
PEKISKO C TOTAL	1 511.0			71.7	90.3	162.0	150.2	11.8
PRIMARY AREA	221.0	<0.04		7.2		7.2		
WATER FLOOD AREA	1 290.0	0.05	0.07	64.5	90.3	155.0		
PEKISKO D	91.2	0.07		6.4		6.4	6.4	
PEKISKO E TOTAL	3 519.0			352.0	272.0	624.0	559.5	64.5
PRIMARY AREA	501.0	0.10		50.1		50.1		
WATER FLOOD AREA	3 018.0	0.10	0.09	302.0	272.0	574.0		
PEKISKO G	184.0	<0.01		0.2		0.2	0.2	
PEKISKO H	238.0	<0.02		2.7		2.7	2.7	
PEKISKO I	6 362.0	0.21		1 336.0		1 336.0	1 155.6	180.4
PEKISKO K	180.0	0.12		21.6		21.6	19.2	2.4
PEKISKO N	5 002.0	0.15		750.0		750.0	354.2	395.8
PEKISKO R	1 199.0	0.20		240.0		240.0	159.7	80.3
PEKISKO S	449.0	0.10		44.9		44.9	27.2	17.7
PEKISKO U	710.0	0.05		35.5		35.5	18.4	17.1
PEKISKO V	170.0	0.10		17.0		17.0	6.5	10.5
BANFF A	14.2	<0.01		0.1		0.1	0.1	
NISKU A	287.0	0.35		100.0		100.0	89.8	10.2
D-3 A	600.0	0.40		240.0		240.0	160.3	79.7
D-3 B	502.0	0.10		50.2		50.2	18.3	31.9
D-3 C	152.0	0.30		45.6		45.6	16.4	29.2
D-3 D	723.0	0.30		217.0		217.0	73.2	143.8

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64 1 437	2.42	0.130	0.25	0.70	89 101	870 887	66 67	16 200 26 200	1 940.7 2 080.8	1976 1961	84 12 - GPP 88 10
355 1 082 360 117	1.83 1.92 1.83 5.30	0.160 0.140 0.130 0.171	0.20 0.20 0.22 0.20	0.69 0.69 0.69 0.69							- GPP
16 65 98 150 64	10.97 1.52 1.83 3.11 1.70	0.120 0.120 0.110 0.130 0.100	0.20 0.25 0.25 0.20 0.35	0.69 0.72 0.75 0.75 0.76	155 133 110 119 110	855 870 849 860 877	59 68 57 71 57	16 150 17 440 19 410 20 170 17 078	2 206.1 2 283.3 2 166.8 2 281.4 2 053.5	1972 1974 1974 1965 1983	92 11 - ABAND 73 09 76 12 - ABAND 75 06 88 12 - GPP 85 12 - GPP 84 05 - ABAND 89 12
1 499 732 767 32 129 64 65	4.78 4.58 2.44 2.99 1.83 11.16	0.138 0.134 0.140 0.167 0.200 0.130	0.24 0.22 0.24 0.24 0.25 0.25	0.79 0.79 0.78 0.80 0.78 0.80	88 74 74 76 74	892 892 898 892 910	70 66 68 68 66	16 270 15 690 15 510 16 480 21 455	2 147.9 2 130.2 2 099.5 2 158.9 2 140.0	1959 1962 1962 1963 1962	89 08 - GPP 65 01 - ABAND 63 08 83 12 - ABAND 83 12 64 12 - ABAND 66 10 90 05
32 64 64 96 65 64 64 64 64 1 289	6.45 5.22 10.47 4.53 5.18 3.50 13.30 1.83 11.50 4.69	0.130 0.140 0.140 0.130 0.096 0.100 0.140 0.140 0.150 0.142	0.25 0.30 0.25 0.30 0.22 0.20 0.32 0.47 0.35 0.25	0.79 0.80 0.79 0.79 0.79 0.75 0.80 0.74 0.81 0.80	76 78 89 76 87 112 74 97 79 90	898 898 898 892 898 866 834 863 891 887	66 66 66 68 66 74 66 74 70 63	16 270 16 550 17 000 18 400 16 130 20 305 16 095 16 525 12 971 16 000	2 178.4 2 225.0 2 217.7 2 172.6 2 239.4 2 363.0 2 149.7 2 224.7 2 141.8 2 153.1	1963 1962 1962 1962 1974 1980 1989 1961 1991 1956	91 12 - GPP 81 12 - GPP 87 12 - GPP 89 12 - GPP 75 11 92 10 - GPP 92 05 - GPP 90 11 92 04 88 12 - GPP
303 1 688 270 1 418 734 64 670 75 160 64 370 64 64 32 361 65 196	5.03 3.73 8.00 17.50 13.62 4.60 5.85 3.00 4.18 6.90 4.50 5.00 3.99 5.18 5.61	0.132 0.132 0.138 0.145 0.145 0.220 0.130 0.110 0.130 0.170 0.150 0.120 0.110 0.110 0.110 0.119	0.27 0.32 0.33 0.25 0.25 0.29 0.25 0.17 0.35 0.30 0.34 0.41 0.26 0.20 0.16	0.79 0.79 0.79 0.77 0.77 0.78 0.79 0.73 0.77 0.77 0.80 0.80 0.82 0.75 0.79	88 84 83 83 94 86 130 105 105 95 82 77 121 62	887 892 887 887 887 892 803 871 888 897 892 876 910 898	69 63 68 68 69 30 58 49 77 70	16 000 16 410 16 200 16 200 16 790 19 030 15 472 17 300 16 277 16 024 15 692 17 341 18 640 16 340	2 135.4 2 182.4 2 141.2 2 141.2 2 203.0 2 175.1 2 148.8 2 296.0 2 110.9 2 163.0 2 157.9 2 316.4 2 290.0 2 161.9	1961 1961 1959 1959 1962 1974 1980 1985 1963 1991 1991 1974 1972 1959	86 12 - GPP 86 08 90 05 - GPP 92 08 - GPP 92 10 - GPP 81 11 - GPP 92 11 91 04 - GPP 91 10 92 02 91 12 74 12 - GPP 84 12 - GPP
266 32 234 32 654 64 590 64 65 928 65 1 002 205 64 64 32 64 37 200 128 64 32	15.79 12.58 4.88 11.40 7.86 7.62 13.78 10.45 7.89 8.00 7.72 8.60 21.43 5.50 1.10 24.85 6.96 10.70 5.70 37.50	0.072 0.072 0.087 0.110 0.098 0.060 0.050 0.100 0.053 0.100 0.110 0.120 0.090 0.170 0.030 0.056 0.076 0.058 0.060 0.086	0.22 0.22 0.15 0.22 0.17 0.29 0.34 0.18 0.18 0.22 0.15 0.16 0.29 0.30 0.20 0.13 0.10 0.11 0.10 0.09	0.78 0.78 0.79 0.80 0.80 0.88 0.81 0.80 0.81 0.80 0.81 0.81 0.81 0.81 0.84 0.64 0.63 0.71 0.77 0.77	62 75 62 44 62 88 62 74 74 74 76 74 74 62 160 128 125 115 125	898 887 898 972 904 898 898 844 892 896 892 900 839 812 817 826 834 821	69 68 71 70 71 71 82 73 69 73 73 67 31 88 83 85 88	16 200 16 070 16 240 14 580 16 030 16 890 16 240 16 320 16 479 16 236 14 367 14 608 24 749 24 128 20 074 19 878 17 514 20 131	2 156.2 2 152.2 2 194.0 2 155.5 2 144.6 2 207.7 2 188.5 2 139.3 2 149.6 2 199.2 2 157.6 2 205.1 2 338.9 2 929.5 3 106.7 3 101.0 2 904.3 3 117.0	1961 1961 1963 1963 1964 1954 1965 1962 1973 1984 1984 1987 1985 1985 1985 1985 1986 1986 1986	92 12 - GPP 89 12 - GPP 92 12 - GPP 64 12 - ABAND 71 10 68 03 - ABAND 70 09 77 12 - GPP 87 12 - GPP 82 06 - GPP 92 06 - GPP 89 06 - GPP 88 07 - GPP 88 04 - GPP 86 04 92 08 91 01 91 12 86 07 - GPP 91 12

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
MEDICINE RIVER 039-03W5 (CONTINUED) COOKING LAKE A	66.5	0.15		10.0		10.0	0.2	9.8
FIELD TOTAL *	85 197.5			11 649.6	6 795.4	18 445.5	13 563.8	4 881.7
MEEKWAP 066-15W5								
D-2 A TOTAL	12 050.0			2 410.0	3 414.0	5 824.0	4 996.0	828.0
PRIMARY AREA	674.0	0.20		134.0		134.0		
WATER FLOOD AREA	11 380.0	0.20	0.30	2 276.0	3 414.0	5 690.0		
D-2 B	175.0	0.30		52.5		52.5	30.6	21.9
D-2 C	96.3	<0.01		0.1		0.1	0.1	
D-2 D	334.0	0.10		33.4		33.4	25.2	8.2
D-2 E	178.0	0.10		17.8		17.8	3.4	14.4
D-2 F	432.0	0.07		30.2		30.2	23.8	6.4
FIELD TOTAL	13 265.3			2 544.0	3 414.0	5 958.0	5 079.1	878.9
MELLOWDALE 060-03W5								
LOWER MANNVILLE B	1 473.0	0.10		147.0		147.0	56.3	90.7
FIELD TOTAL	1 473.0			147.0		147.0	56.3	90.7
MICHICHI 031-17W4								
UPPER MANNVILLE A	126.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE A	499.0	0.10		49.9		49.9	26.5	23.4
LOWER MANNVILLE B	270.0	0.02		5.4		5.4	3.5	1.9
LOWER MANNVILLE I	806.0	0.10		80.6		80.6	12.6	68.0
LOWER MANNVILLE K	108.0	0.05		5.4		5.4	0.4	5.0
LOWER MANNVILLE M	126.0	<0.01		0.1		0.1	0.1	
OSTRACOD B	220.0	<0.01		0.2		0.2	0.2	
DETRITAL B	41.0	<0.01		0.1		0.1	0.1	
DETRITAL C	320.0	<0.01		0.4		0.4	0.4	
BANFF A	1 163.0	0.10		116.0		116.0	102.4	13.6
BANFF C	559.0	0.05		28.0		28.0	15.1	12.9
BANFF D	2 595.0	0.03		77.9		77.9	39.4	38.5
BANFF E	321.0	0.05		16.1		16.1	2.7	13.4
BANFF F	397.0	0.05		19.9		19.9	6.3	13.6
BANFF I	87.6	0.10		8.8		8.8	5.4	3.4
BANFF L	269.0	0.05		13.5		13.5	13.3	0.2
BANFF N	153.0	<0.01		0.1		0.1	0.1	
BANFF O	129.0	<0.01		0.3		0.3	0.3	
BANFF P	30.0	<0.01		0.1		0.1	0.1	
BANFF Q	146.0	<0.01		0.2		0.2	0.2	
BANFF R	255.0	<0.01		0.2		0.2	0.2	
BANFF T	247.0	0.10		24.7		24.7	2.7	22.0
BANFF W	17.8	0.15		2.7		2.7	0.3	2.4
BANFF X	136.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	9 021.4			451.3		451.3	233.0	218.3
MIKWAN 037-23W4								
VIKING C	65.9	<0.03		1.6		1.6	1.6	
VIKING D	17.3	<0.05		0.8		0.8	0.8	
VIKING H	72.6	0.15		10.9		10.9	5.4	5.5
UPPER MANNVILLE F	167.0	0.05		8.4		8.4	7.6	0.8
UPPER MANNVILLE G	193.0	0.10		19.3		19.3	6.9	12.4
UPPER MANNVILLE H	341.0	0.10		34.1		34.1	19.0	15.1
LOWER MANNVILLE H	63.5	0.10		6.4		6.4	4.3	2.1
LOWER MANNVILLE J	703.0	0.10		70.3		70.3	23.1	47.2
LOWER MANNVILLE W	50.2	<0.01		0.1		0.1	0.1	
D-2 A	450.0	0.30		135.0		135.0	122.9	12.1
D-2 B	450.0	0.35		158.0		158.0	148.8	9.2
D-2 C	290.0	0.10		29.0		29.0	16.3	12.7
D-2 D	262.0	0.20		52.4		52.4	26.5	25.9
D-2 E	77.4	<0.03		2.3		2.3	2.3	
D-2 F	149.0	0.20		29.8		29.8	12.2	17.6
D-2 G	30.1	<0.01		0.1		0.1	0.1	
D-3 A	339.0	<0.03		9.0		9.0	9.0	
D-3 B	645.0	0.20		129.0		129.0	69.3	59.7
D-3 C	166.0	<0.01		0.4		0.4	0.4	
D-3 D	215.0	0.07		15.0		15.0	12.2	2.8

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	3.70	0.054	0.35	0.80	100	830	79	16 777	2 847.7	1988	88 12
2 772					120	844	80	20 770	2 367.3	1966	91 12
420	6.50	0.047	0.29	0.74							
2 352	9.05	0.085	0.15	0.74							- GPP
64	11.24	0.038	0.20	0.80	71	860	83	19 944	2 325.3	1971	75 12 - GPP
64	4.30	0.054	0.20	0.81	66	857	83	14 519	2 310.7	1980	83 12
64	9.26	0.087	0.20	0.81	71	844	83	15 018	2 312.2	1971	83 12 - GPP
64	7.10	0.069	0.30	0.81	82	857	80	21 423	2 333.6	1972	83 12 - GPP
128	9.31	0.070	0.30	0.74	119	845	80	15 017	2 369.9	1982	86 12 - GPP
461	3.06	0.200	0.40	0.87	45	892	35	8 252	1 112.6	1979	85 01 - GPP
64	2.00	0.180	0.40	0.91	39	866	32	9 501	1 288.0	1981	83 12 - GPP
128	3.21	0.240	0.39	0.83	66	859	42	9 502	1 354.4	1982	84 02 - GPP
64	5.48	0.160	0.42	0.83	64	854	40	8 030	1 326.0	1981	86 09 - GPP
192	3.69	0.190	0.32	0.88	50	883	36	9 052	1 309.7	1985	86 11
32	3.30	0.180	0.33	0.85	62	860	36	9 810	1 283.2	1986	92 08 - GPP
64	5.00	0.110	0.57	0.83	69	864	50	8 525	1 306.1	1987	92 10
64	3.00	0.230	0.40	0.83	64	832	44	9 915	1 344.0	1983	88 12
16	2.40	0.180	0.34	0.90	64	878	41	9 428	1 333.5	1987	91 10 - ABAND 89 05
64	6.00	0.170	0.41	0.83	64	845	47	8 399	1 280.3	1987	88 04 - ABAND 89 04
548	9.00	0.040	0.29	0.83	61	854	40	9 413	1 336.8	1985	90 08
192	12.44	0.040	0.32	0.86	55	880	45	9 382	1 359.3	1982	90 12 - GPP
641	12.00	0.063	0.37	0.85	61	875	42	9 598	1 319.4	1985	91 12 - GPP
64	4.00	0.200	0.27	0.86	55	860	40	9 525	1 332.1	1986	89 12 - GPP
128	11.70	0.060	0.52	0.92	28	880	42	9 422	1 306.2	1986	88 04 - GPP
64	5.50	0.050	0.40	0.83	70	862	40	8 932	1 326.7	1984	87 12 - GPP
64	19.50	0.040	0.35	0.83	64	860	47	8 983	1 350.7	1986	90 12 - GPP
64	9.70	0.048	0.38	0.83	64	875	47	9 706	1 367.2	1987	87 05 - ABAND 87 03
16	19.00	0.060	0.17	0.85	50	870	35	9 052	1 359.7	1987	92 11 - ABAND 89 04
64	2.30	0.030	0.20	0.85	50	870	35	8 889	1 367.4	1987	89 12
64	12.90	0.040	0.48	0.85	61	870	42	9 120	1 351.0	1986	88 12
64	15.00	0.040	0.22	0.85	61	849	42	8 991	1 327.4	1987	88 01 - ABAND 90 12
64	11.20	0.050	0.17	0.83	64	845	47	8 916	1 443.7	1988	88 06 - GPP
64	1.60	0.030	0.30	0.83	64	845	47	8 202	1 307.4	1987	89 06 - GPP
64	6.50	0.050	0.21	0.83	64	845	47	8 433	1 418.7	1987	90 09 - ABAND 89 05
64	2.00	0.090	0.35	0.88	44	839	53	6 683	1 380.0	1980	92 09 - ABAND 92 06
64	0.92	0.070	0.50	0.84	69	839	42	6 722	1 448.3	1977	78 10 - ABAND 85 06
64	1.30	0.140	0.30	0.89	60	852	47	8 640	1 352.7	1986	89 12
16	7.34	0.180	0.11	0.89	40	892	50	8 428	1 648.4	1962	92 12 - GPP
64	2.30	0.220	0.30	0.85	59	819	46	9 304	1 488.3	1980	81 07 - GPP
128	2.63	0.170	0.33	0.89	40	901	43	9 183	1 473.3	1980	83 04 - GPP
64	1.00	0.170	0.27	0.80	110	797	44	8 856	1 539.0	1980	84 05 - GPP
128	5.50	0.150	0.26	0.90	35	873	47	9 120	1 534.0	1981	84 11 - GPP
64	1.50	0.140	0.55	0.83	62	875	48	9 372	1 574.8	1987	88 01 - ABAND 88 05
320	3.29	0.090	0.35	0.73	124	844	64	15 390	1 824.7	1970	88 09
128	6.29	0.097	0.22	0.74	100	833	64	14 018	1 788.7	1979	88 09
128	6.01	0.067	0.25	0.75	110	830	62	13 612	1 756.3	1978	85 12
64	7.30	0.090	0.17	0.75	105	822	47	13 281	1 757.7	1983	84 12 - GPP
32	6.40	0.080	0.37	0.75	100	838	57	12 850	1 815.0	1985	91 05 - ABAND 91 05
128	3.30	0.055	0.22	0.82	70	860	54	13 406	1 811.3	1985	87 08 - GPP
64	1.20	0.060	0.13	0.75	80	901	74	15 699	1 995.2	1984	88 12
224	2.99	0.090	0.25	0.75	106	865	63	15 600	1 848.0	1970	88 12 - ABAND 82 12
64	13.00	0.120	0.15	0.76	100	852	76	13 824	1 819.5	1979	80 01
64	3.60	0.120	0.25	0.80	100	877	61	13 341	1 894.5	1985	86 03 - ABAND 87 05
64	7.30	0.080	0.30	0.82	79	867	62	13 150	1 762.4	1984	91 03

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
MIKWAN 037-23W4 (CONTINUED)								
FIELD TOTAL	4 747.0			711.9		711.9	488.8	223.1
MINEHEAD 048-18W5								
BELLY RIVER A	236.0	<0.01		2.1		2.1	2.1	
CARDIUM A	350.0	0.05		17.5		17.5	7.8	9.7
FIELD TOTAL	586.0			19.6		19.6	9.9	9.7
MINNEHIK-BUCK LAKE 045-05W5								
BELLY RIVER A	215.0	0.10		21.5		21.5	10.8	10.7
BELLY RIVER B	238.0	0.10		23.8		23.8	5.2	18.6
BELLY RIVER C	335.0	0.10		33.5		33.5	23.5	10.0
BELLY RIVER E	250.0	0.10		25.0		25.0	12.2	12.8
BELLY RIVER F	538.0	0.10		53.8		53.8	29.2	24.6
BELLY RIVER G	176.0	0.03		5.3		5.3	3.7	1.6
BELLY RIVER J	182.0	0.10		18.2		18.2	3.1	15.1
BELLY RIVER K	102.0	<0.01		0.1		0.1	0.1	
BELLY RIVER L	127.0	0.05		6.4		6.4	0.2	6.2
CARDIUM A	181.0	0.08		14.5		14.5	13.9	0.6
CARDIUM E	160.0	0.10		16.0		16.0	1.6	14.4
CARDIUM J	5 668.0	0.06		340.0		340.0	192.6	147.4
CARDIUM L	627.0	0.05		31.4		31.4	18.8	12.6
CARDIUM N	93.3	<0.01		0.3		0.3	0.3	
CARDIUM O	55.6	<0.01		0.1		0.1	0.1	
CARDIUM P	61.4	<0.01		0.1		0.1	0.1	
CARDIUM Q	212.0	0.03		6.4		6.4	0.6	5.8
VIKING A	265.0	<0.01		0.7		0.7	0.7	
VIKING C	347.0	0.20		69.4		69.4	22.3	47.1
VIKING D	124.0	0.10		12.4		12.4	0.7	11.7
VIKING E	42.2	0.20		8.4		8.4	5.7	2.7
VIKING F	42.6	0.20		8.5		8.5	3.8	4.7
VIKING H	292.0	0.25		73.0		73.0	38.8	34.2
VIKING I	64.9	0.15		9.7		9.7	9.6	0.1
VIKING J	60.0	0.20		12.0		12.0	5.7	6.3
VIKING K	60.0	0.25		15.0		15.0	8.6	6.4
OSTRACOD A	881.0	0.25		220.0		220.0	153.5	66.5
OSTRACOD B	125.0	0.20		25.0		25.0	10.8	14.2
OSTRACOD G	180.0	0.20		36.0		36.0	24.6	11.4
OSTRACOD H	78.9	0.15		11.8		11.8	7.4	4.4
OSTRACOD I	153.0	0.15		22.9		22.9	17.1	5.8
OSTRACOD J	45.7	0.05		2.3		2.3	0.1	2.2
OSTRACOD E & F	136.0	0.10		13.6		13.6	1.8	11.8
JURASSIC B	82.8	0.05		4.1		4.1	0.8	3.3
BANFF A	198.0	<0.01		0.1		0.1	0.1	
D-2 A	273.0	<0.01		1.1		1.1	1.1	
FIELD TOTAL	12 672.4			1 142.4		1 142.4	629.2	513.2
MIRAGE 079-07W6								
DOE CREEK A	162.0	<0.01		0.4		0.4	0.4	
DOE CREEK B	119.0	<0.01		0.1		0.1		0.1
HALFWAY B	1 283.0	0.10		128.0		128.0	70.3	57.7
FIELD TOTAL	1 564.0			128.5		128.5	70.7	57.8
MITSUE 071-04W5								
GILWOOD A TOTAL	123 000.0			30 280.0	31 060.0	61 340.0	51 818.4	9 521.6
PRIMARY AREA	5 061.0	0.16		810.0		810.0		
SOLVENT FLOOD AREA	60 000.0	0.25	0.37	15 000.0	22 000.0	37 000.0		
WATER FLOOD AREA	57 890.0	0.25	0.16	14 470.0	9 060.0	23 530.0		
GILWOOD B	344.0	0.20		68.8		68.8	46.9	21.9
GILWOOD E	42.6	0.10		4.3		4.3	0.2	4.1
FIELD TOTAL	123 386.6			30 353.1	31 060.0	61 413.1	51 865.5	9 547.6
MONTGOMERY 011-28W4								
SECOND WHITE	1 500.0	0.15		225.0		225.0	212.8	12.2
SPECKS A								
SECOND WHITE	338.0	<0.02		6.2		6.2	6.2	
SPECKS B								

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	7.40	0.100	0.40	0.83	62	828	76	10 506	1 966.6	1986	92 10
64	6.70	0.160	0.15	0.60	210	816	74	24 951	2 562.8	1968	89 06 - GPP
65	3.66	0.160	0.32	0.83	74	825	46	9 560	1 191.8	1973	78 10 - GPP
64	5.60	0.150	0.48	0.85	67	845	46	8 941	1 205.7	1980	81 07
64	6.44	0.140	0.30	0.83	74	845	46	8 717	1 255.6	1981	90 12 - GPP
64	5.00	0.157	0.40	0.83	74	844	50	7 377	1 176.0	1981	82 08 - GPP
64	9.00	0.150	0.25	0.83	65	848	52	9 208	1 233.8	1982	83 05
16	13.00	0.150	0.32	0.83	65	848	52	9 315	1 178.2	1983	92 12 - GPP
64	4.00	0.130	0.34	0.83	65	848	52	10 200	1 212.8	1982	84 01 - GPP
64	3.93	0.140	0.65	0.83	65	848	52	10 842	1 289.9	1984	85 10 - ABAND 85 11
64	4.10	0.130	0.55	0.83	66	805	58	9 624	1 192.4	1990	91 05
130	2.13	0.110	0.15	0.70	96	815	49	12 070	1 718.0	1960	78 11 - GPP
128	2.22	0.090	0.20	0.78	96	830	49	12 013	1 718.5	1978	89 08 - GPP
3 314	2.16	0.115	0.15	0.81	125	830	56	16 595	1 559.5	1979	87 01 - GPP
506	1.30	0.140	0.18	0.83	65	805	58	14 911	1 673.3	1979	86 12 - GPP
64	1.58	0.134	0.15	0.81	74	830	66	10 631	1 626.9	1982	82 11
64	1.50	0.130	0.45	0.81	125	830	56	10 783	1 617.8	1984	85 10 - ABAND 85 11
64	1.50	0.100	0.20	0.80	125	830	56	10 808	1 515.9	1985	86 05 - ABAND 91 06
128	2.00	0.120	0.15	0.81	125	830	56	10 202	1 676.4	1978	89 12 - GPP
65	4.88	0.160	0.30	0.75	105	838	88	14 690	1 805.3	1953	66 11 - ABAND 73 07
507	1.52	0.080	0.33	0.84	156	827	72	18 955	1 869.4	1982	90 04
64	4.00	0.090	0.36	0.84	54	827	72	15 921	1 771.3	1982	83 06 - GPP
64	1.10	0.100	0.25	0.80	149	855	82	16 677	1 843.9	1983	88 12 - GPP
128	1.00	0.070	0.30	0.68	149	821	83	16 791	1 882.7	1984	87 12 - GPP
1 000	0.62	0.080	0.30	0.84	56	827	72	14 564	1 895.8	1984	89 12 - GPP
80	1.76	0.090	0.36	0.80	74	813	60	13 747	1 878.7	1985	87 12 - GPP
117	1.20	0.090	0.30	0.68	149	825	82	14 062	1 935.5	1986	88 12 - GPP
200	0.90	0.063	0.34	0.80	91	832	74	12 066	1 890.8	1988	90 12 - GPP
996	1.23	0.130	0.21	0.70	160	827	60	17 500	2 051.2	1980	91 12 - GPP
121	1.54	0.120	0.20	0.70	132	817	72	18 296	2 058.6	1981	91 12
259	1.04	0.130	0.21	0.65	174	812	80	19 450	2 119.9	1985	88 12 - GPP
64	1.50	0.145	0.19	0.70	174	820	80	18 500	2 074.6	1986	86 06
128	1.66	0.130	0.15	0.65	174	812	80	18 297	2 102.5	1987	88 07
64	2.02	0.080	0.32	0.65	174	813	80	19 889	2 184.9	1988	90 12
64	3.58	0.116	0.27	0.70	174	812	80	18 705	2 139.9	1984	85 11 - GPP
64	2.00	0.120	0.23	0.70	145	856	70	14 921	2 170.2	1985	85 09
64	7.40	0.078	0.33	0.80	88	879	54	14 156	2 102.5	1985	86 05 - ABAND 87 01
64	24.99	0.043	0.35	0.61	195	801	78	19 840	2 528.3	1975	81 12 - ABAND 85 02
64	1.50	0.290	0.36	0.91	25	844	30	1 354	248.8	1988	92 01 - ABAND 91 09
64	1.18	0.270	0.36	0.91	25	844	30	1 449	226.7	1989	89 10 - ABAND 89 12
694	3.72	0.090	0.31	0.80	91	825	58	12 959	1 395.9	1988	91 01
51 296					103	811	60	18 240	1 722.4	1964	92 12
4 608	2.00	0.110	0.36	0.78							
16 999	4.91	0.144	0.36	0.78							- GPP
29 689	3.15	0.124	0.36	0.78							- GPP
192	3.03	0.118	0.35	0.77	103	817	63	15 697	1 718.1	1987	88 07 - GPP
64	1.55	0.086	0.36	0.78	80	821	65	16 027	1 592.6	1981	82 05
138	9.31	0.200	0.20	0.73	144	805	87	32 972	2 557.0	1968	91 05 - GPP
16	18.06	0.200	0.20	0.73	144	821	75	20 366	2 400.0	1979	92 11 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
MONTGOMERY 011-28W4 (CONTINUED)								
FIELD TOTAL	1 838.0			231.2		231.2	219.0	12.2
MORINVILLE 055-25W4								
UPPER MANNVILLE F	378.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE H	175.0	0.05		8.8		8.8	0.1	8.7
LOWER MANNVILLE A	199.0	0.15		29.9		29.9	21.2	8.7
LOWER MANNVILLE F	120.0	0.05		6.0		6.0	3.9	2.1
LOWER MANNVILLE L	226.0	<0.03		6.7		6.7	6.7	
LOWER MANNVILLE O	49.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE U	219.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE Z	331.0	0.05		16.6		16.6	1.1	15.5
D-1 A	56.1	<0.13		7.2		7.2	7.2	
D-1 B	385.0	0.20		77.0		77.0	31.3	45.7
D-1 C	69.6	0.10		7.0		7.0	1.0	6.0
D-3 A	89.5	<0.32		28.6		28.6	28.6	
D-3 B	3 318.0	<0.55		1 820.0		1 820.0	1 646.3	173.7
D-3 C	1 088.0	0.10		109.0		109.0	74.9	34.1
D-3 D	57.1	0.30		17.1		17.1	6.1	11.0
D-3 E	1 002.0	0.35		351.0		351.0	151.3	199.7
D-3 F	212.0	<0.01		0.1		0.1	0.1	0.1
D-3 G	253.0	0.05		12.7		12.7	3.2	9.5
FIELD TOTAL	8 227.3			2 498.2		2 498.2	1 983.4	514.8
MORNINGSIDE 042-28W4								
VIKING A	103.0	0.10		10.3		10.3	2.7	7.6
OSTRACOD A	24.2	<0.04		0.9		0.9	0.9	
OSTRACOD B	77.4	<0.08		5.7		5.7	5.7	
ELLERSLIE A	95.2	0.15		14.3		14.3	8.8	5.5
ELLERSLIE B	25.5	<0.01		0.1		0.1	0.1	
FIELD TOTAL	325.3			31.3		31.3	18.2	13.1
MULLIGAN 081-08W6								
CHARLIE LAKE A	253.0	0.10		25.3		25.3	16.7	8.6
CHARLIE LAKE B	219.0	0.15		32.9		32.9	2.4	30.5
CHARLIE LAKE C	109.0	0.10		10.9		10.9	7.0	3.9
FIELD TOTAL	581.0			69.1		69.1	26.1	43.0
NARROWS 075-12W5								
GILWOOD A	201.0	0.30		60.3		60.3	13.7	46.6
GILWOOD B	79.8	<0.05		3.3		3.3	3.3	
FIELD TOTAL	280.8			63.6		63.6	17.0	46.6
NELSON 043-26W4								
VIKING A	1 600.0	0.10		160.0		160.0	107.5	52.5
LOWER MANNVILLE A	133.0	0.10		13.3		13.3	0.6	12.7
LOWER MANNVILLE B	429.0	<0.02		7.0		7.0	7.0	
FIELD TOTAL	2 162.0			180.3		180.3	115.1	65.2
NEVIS 039-22W4								
BLAIRMORE A	383.0	0.15		57.5		57.5		57.5
BLAIRMORE B	307.0	<0.01		0.3		0.3	0.3	
BLAIRMORE C	1 600.0	0.15		240.0		240.0	229.5	10.5
BLAIRMORE D	126.0	<0.02		2.4		2.4	2.4	
BLAIRMORE F	215.0	0.10		21.5		21.5	11.9	9.6
BLAIRMORE H	144.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE A	2 146.0	0.08		172.0		172.0	163.9	8.1
UPPER MANNVILLE D	392.0	0.10		39.2		39.2	16.8	22.4
UPPER MANNVILLE E	220.0	0.15		33.0		33.0	30.6	2.4
LOWER MANNVILLE A	62.7	<0.01		0.5		0.5	0.5	
DEVONIAN	429.0	<0.04		14.8		14.8	14.2	0.6
D-1 A	28.1	<0.03		0.8		0.8	0.8	
D-2 A	274.0	<0.02		3.1		3.1	3.1	
D-2 B	198.0	0.05		9.9		9.9	0.3	9.6
D-3 B	238.0	0.16		38.1		38.1	36.4	1.7
D-3 C	220.0	<0.22		47.4		47.4	47.4	
D-3 D	191.0	0.15		28.7		28.7	23.6	5.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
16	20.30	0.190	0.32	0.90	40	966	40	8 169	1 020.2	1987	88 03 - ABAND 89 01
64	2.70	0.210	0.48	0.93	28	859	32	7 532	1 016.2	1988	89 10
100	1.52	0.220	0.30	0.85	41	876	46	7 860	1 092.4	1952	92 10 - GPP
57	1.83	0.170	0.25	0.90	62	876	47	8 960	1 148.8	1951	88 12 - GPP
93	2.59	0.220	0.52	0.89	50	887	44	9 760	1 244.2	1965	84 12 - GPP
64	1.00	0.170	0.50	0.90	33	871	43	6 692	1 155.0	1983	84 01 - ABAND 84 09
64	3.90	0.210	0.52	0.87	50	875	46	8 169	1 087.5	1987	88 01 - ABAND 88 10
64	4.00	0.200	0.29	0.91	35	858	33	7 147	1 097.0	1989	89 10
130	2.74	0.030	0.30	0.75	53	839	48	8 720	1 161.6	1953	64 12 - ABAND 60 10
316	2.47	0.100	0.42	0.85	62	822	35	8 123	1 142.8	1986	90 06 - GPP
32	5.20	0.080	0.37	0.83	64	838	38	7 623	1 121.1	1987	92 12
16	10.97	0.080	0.15	0.75	62	849	56	10 760	1 397.2	1955	76 12 - GPP
345	14.80	0.085	0.09	0.84	60	844	60	13 100	1 608.1	1960	88 07 - GPP
300	4.51	0.110	0.13	0.84	62	849	52	10 790	1 380.1	1963	90 12 - GPP
16	6.00	0.100	0.15	0.70	135	844	42	10 645	1 411.3	1982	83 02 - GPP
202	5.90	0.130	0.23	0.84	59	890	61	10 412	1 370.6	1982	92 02 - GPP
64	8.30	0.060	0.21	0.84	59	842	61	16 051	1 642.7	1983	84 03 - ABAND 84 01
64	5.10	0.100	0.14	0.90	45	949	51	10 665	1 332.7	1985	85 12 - GPP
128	0.80	0.170	0.30	0.85	46	836	57	13 977	1 648.3	1980	90 01 - GPP
32	1.00	0.120	0.25	0.84	58	918	63	13 088	1 790.5	1984	88 08 - ABAND 90 05
64	2.16	0.100	0.30	0.80	69	885	57	13 799	1 803.0	1974	90 12 - ABAND 92 07
64	1.80	0.120	0.18	0.84	58	917	63	15 629	1 856.2	1988	89 12
64	0.80	0.080	0.26	0.84	58	886	62	17 179	1 874.3	1988	89 06 - ABAND 89 10
128	2.70	0.120	0.23	0.79	92	846	47	10 792	1 171.2	1982	89 09 - GPP
64	2.45	0.210	0.18	0.81	95	823	41	11 150	1 183.0	1989	89 08
64	1.26	0.180	0.15	0.88	45	900	41	10 767	1 205.7	1983	91 01 - GPP
64	4.34	0.140	0.40	0.86	70	825	63	20 666	2 009.0	1989	90 03
65	2.74	0.080	0.30	0.80	65	840	60	20 189	1 987.6	1962	76 12 - ABAND 70 03
936	2.61	0.120	0.40	0.91	54	841	59	7 913	1 414.5	1985	89 07 - GPP
32	3.60	0.170	0.30	0.97	25	912	52	11 039	1 541.8	1988	89 06
64	6.47	0.170	0.30	0.87	57	895	47	11 214	1 515.0	1972	88 08 - GPP
64	3.40	0.230	0.15	0.90	32	888	51	10 223	1 337.7	1991	92 09
65	3.35	0.220	0.20	0.80	89	881	49	9 340	1 404.5	1967	74 04 - ABAND 74 03
792	1.61	0.180	0.18	0.85	53	893	57	10 060	1 391.0	1959	89 10 - GPP
64	2.44	0.130	0.30	0.88	51	870	38	9 450	1 478.0	1977	82 12
128	2.40	0.135	0.35	0.80	70	886	57	11 118	1 418.7	1982	84 06 - GPP
64	3.00	0.170	0.45	0.80	66	878	54	10 135	1 405.8	1959	88 12
186	2.05	0.170	0.41	0.88	48	915	62	9 977	1 425.8	1977	88 01 - GPP
128	2.34	0.190	0.20	0.86	48	882	62	10 300	1 405.7	1984	85 07 - GPP
128	1.98	0.160	0.37	0.86	48	885	62	10 140	1 409.5	1986	88 12
64	1.20	0.170	0.40	0.80	64	893	54	11 003	1 404.6	1981	84 06 - ABAND 85 10
199	4.82	0.080	0.20	0.70	120	834	58	16 060	1 722.4	1952	89 12
64	1.30	0.060	0.26	0.76	50	897	45	9 952	1 520.4	1952	92 10
128	4.20	0.085	0.20	0.75	86	826	58	16 382	1 735.4	1986	90 12
64	9.50	0.080	0.40	0.68	148	823	59	12 141	1 732.3	1985	89 09
7	56.15	0.087	0.20	0.87	53	870	43	16 810	1 856.5	1968	88 12 - GPP
6	65.87	0.080	0.20	0.87	40	870	64	16 820	1 788.3	1967	89 12 - GPP
14	31.80	0.065	0.20	0.83	64	876	64	15 730	1 821.5	1969	91 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
NEVIS 039-22W4 (CONTINUED)								
D-3 E	1 272.0	0.15		191.0		191.0	148.3	42.7
D-3 F	400.0	<0.03		11.1		11.1	11.1	
D-3 G	240.0	0.30		72.0		72.0	62.2	9.8
D-3 H	75.7	<0.01		0.4		0.4	0.4	
FIELD TOTAL	9 161.5			983.8		983.8	803.8	180.0
NEW NORWAY 044-22W4								
BLAIRMORE	68.4	<0.01		0.2		0.2	0.2	
BASAL QUARTZ C	163.0	<0.01		0.8		0.8	0.8	
BASAL QUARTZ D	824.0	0.05		41.2		41.2		41.2
D-1 A	142.0	0.10		14.2		14.2		14.2
D-2	2 154.0	0.65		1 400.0		1 400.0	1 305.7	94.3
D-3	318.0	0.60		191.0		191.0	181.6	9.4
FIELD TOTAL	3 669.4			1 647.4		1 647.4	1 488.3	159.1
NEWBROOK 062-20W4								
UPPER MANNVILLE N	121.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	121.0			0.1		0.1	0.1	
NIPISI 079-08W5								
SLAVE POINT A	353.0	0.10		35.3		35.3	12.0	23.3
SLAVE POINT B	395.0	<0.01		1.1		1.1	1.1	
SLAVE POINT C	218.0	0.10		21.8		21.8	6.2	15.6
SLAVE POINT D	134.0	0.15		20.1		20.1	9.7	10.4
SLAVE POINT E	40.7	0.15		6.1		6.1	2.9	3.2
GILWOOD A TOTAL	120 300.0			31 200.0	29 840.0	61 040.0	47 637.1	13 402.9
PRIMARY AREA	8 219.0	0.25		2 055.0		2 055.0		
SOLVENT FLOOD AREA	72 700.0	<0.27	0.34	18 900.0	24 910.0	43 810.0		
WATER FLOOD AREA	39 400.0	0.26	0.12	10 240.0	4 926.0	15 170.0		
GILWOOD C	4 191.0	<0.16		630.0		630.0	615.4	14.6
GILWOOD E	135.0	0.15		20.3		20.3	19.1	1.2
GILWOOD F	100.0	<0.05		4.5		4.5	4.5	
GILWOOD G	148.0	0.15		22.2		22.2	15.1	7.1
GILWOOD H	749.0	0.15		112.0		112.0	44.6	67.4
GILWOOD I	272.0	0.10		27.2		27.2	12.5	14.7
GILWOOD J	66.3	0.05		3.3		3.3	0.9	2.4
GILWOOD K	59.1	0.15		8.9		8.9	0.2	8.7
KEG RIVER	2 350.0	0.25		588.0		588.0	562.3	25.7
SANDSTONE A								
KEG RIVER	2 052.0	0.35		718.0		718.0	542.1	175.9
SANDSTONE E								
KEG RIVER	323.0	<0.02		5.5		5.5	5.5	
SANDSTONE F								
KEG RIVER	355.0	<0.03		8.6		8.6	8.6	
SANDSTONE G								
KEG RIVER	192.0	0.25		48.0		48.0	37.6	10.4
SANDSTONE H								
KEG RIVER	130.0	0.25		32.5		32.5	15.4	17.1
SANDSTONE I								
KEG RIVER	223.0	<0.03		5.0		5.0	5.0	
SANDSTONE J								
KEG RIVER	29.4	<0.02		0.5		0.5	0.5	
SANDSTONE K								
KEG RIVER	384.0	0.07		26.9		26.9	16.2	10.7
SANDSTONE L								
KEG RIVER	350.0	0.08		28.0		28.0	15.8	12.2
SANDSTONE M								
KEG RIVER	22.4	<0.01		0.1		0.1	0.1	
SANDSTONE N								
KEG RIVER	298.0	0.25		74.5		74.5	21.6	52.9
SANDSTONE O								
FIELD TOTAL	133 869.9			33 648.4	29 840.0	63 488.4	49 612.0	13 876.4
NITON 055-12W5								
CARDIUM A	135.0	0.15		20.3		20.3	11.2	9.1
CARDIUM B	137.0	<0.05		6.0		6.0	6.0	
CARDIUM C	230.0	0.10		23.0		23.0	18.6	4.4

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
34	45.81	0.120	0.17	0.82	79	887	38	16 130	1 832.5	1970	84 12 - GPP
64	11.80	0.076	0.15	0.82	74	887	38	14 710	1 755.6	1970	88 12 - ABAND 82 06
20	25.30	0.075	0.23	0.82	79	887	62	14 212	1 892.0	1984	87 11 - GPP
16	9.50	0.080	0.25	0.83	64	874	64	12 418	1 689.3	1988	92 10
16	4.88	0.175	0.35	0.77	80	825	56	10 140	1 393.9	1953	58 05 - ABAND 56 06
64	2.50	0.220	0.40	0.77	71	837	44	9 410	1 336.8	1980	84 12 - ABAND 83 02
64	8.80	0.250	0.24	0.77	71	837	44		1 362.6	1951	92 10
64	4.50	0.080	0.19	0.76	100	854	50	9 895	1 393.8	1951	92 06 - GPP
197	18.70	0.085	0.14	0.80	82	825	54	10 620	1 425.2	1951	81 12 - GPP
77	15.03	0.044	0.20	0.78	84	839	58	14 070	1 495.7	1951	73 02 - GPP
16	3.30	0.300	0.22	0.98	7	990	32	3 970	574.0	1988	88 10 - ABAND 90 12
128	6.30	0.085	0.44	0.92	16	830	54	17 149	1 680.9	1982	85 04 - GPP
64	12.31	0.082	0.32	0.90	24	840	67	16 666	1 828.8	1984	88 12
32	12.64	0.090	0.35	0.92	18	860	66	16 972	1 813.7	1985	91 12 - GPP
64	5.50	0.065	0.35	0.90	32	837	51	15 803	1 725.3	1973	84 02 - GPP
16	7.60	0.062	0.40	0.90	31	845	52	15 987	1 837.9	1984	92 06 - GPP
33 877					65	820	49	18 130	1 708.7	1965	92 12 - GPP
4 544	2.54	0.130	0.34	0.83							
12 044	6.90	0.155	0.32	0.83							
17 289	3.30	0.130	0.36	0.83							
1 834	3.53	0.120	0.35	0.83	56	820	62	18 090	1 790.4	1969	89 02 - GPP
64	3.28	0.126	0.38	0.82	65	821	56	9 628	1 675.8	1980	85 06 - GPP
64	2.30	0.130	0.37	0.83	61	821	47	9 587	1 678.2	1980	88 12
128	1.80	0.115	0.32	0.82	65	821	56	10 586	1 680.2	1979	85 06 - GPP
695	1.61	0.130	0.38	0.83	63	820	62	17 940	1 838.3	1979	92 12 - GPP
128	3.54	0.134	0.44	0.80	63	819	62	15 376	1 858.3	1984	87 08 - GPP
64	2.10	0.110	0.46	0.83	56	819	62	17 878	1 829.8	1988	90 12 - GPP
64	2.20	0.080	0.36	0.82	65	821	56	15 191	1 748.1	1991	92 09
1 814	1.46	0.143	0.27	0.85	65	820	56	18 000	1 747.1	1966	79 12 - GPP
493	4.06	0.180	0.33	0.85	55	820	50	15 027	1 733.2	1977	85 06 - GPP
64	5.00	0.180	0.34	0.85	53	810	54	13 800	1 768.5	1980	86 12 - GPP
64	6.40	0.170	0.40	0.85	53	849	52	15 068	1 738.1	1972	88 12 - ABAND 90 03
64	3.40	0.160	0.35	0.85	55	824	43	13 060	1 749.4	1982	83 04 - GPP
64	1.90	0.180	0.30	0.85	50	830	57	12 622	1 751.0	1982	83 05 - GPP
64	3.50	0.180	0.35	0.85	53	820	52	12 299	1 740.5	1984	87 12 - ABAND 89 09
64	1.50	0.080	0.55	0.85	55	824	44	12 390	1 748.3	1984	84 08 - ABAND 84 11
64	6.10	0.170	0.32	0.85	55	825	47	12 005	1 745.7	1984	90 12 - GPP
64	4.60	0.200	0.30	0.85	65	825	49	11 796	1 745.8	1985	91 12 - GPP
64	0.60	0.137	0.50	0.85	52	825	54	11 285	1 743.2	1985	85 10
64	3.40	0.230	0.30	0.85	52	828	53	11 637	1 749.7	1986	86 05 - GPP
64	2.72	0.114	0.22	0.87	48	834	57	9 400	1 427.6	1970	87 01
64	6.00	0.056	0.25	0.85	64	865	42	9 402	1 402.9	1984	85 03
128	2.84	0.100	0.28	0.88	44	856	52	9 086	1 384.4	1982	86 04 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
NITON 055-12W5 (CONTINUED)								
CARDIUM D	176.0	<0.01		0.8		0.8	0.8	
CARDIUM E	142.0	0.15		21.3		21.3	13.5	7.8
CARDIUM F	137.0	0.10		13.7		13.7	9.5	4.2
CARDIUM G	187.0	0.15		28.1		28.1	19.3	8.8
CARDIUM H	39.1	<0.01		0.1		0.1	0.1	
CARDIUM I	142.0	<0.03		3.2		3.2	3.2	
CARDIUM J	119.0	0.05		6.0		6.0	2.3	3.7
BASAL QUARTZ A	260.0	0.03		7.8		7.8	0.1	7.7
BASAL QUARTZ C	168.0	<0.01		0.8		0.8	0.8	
BASAL QUARTZ G	177.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ K	116.0	0.02		2.3		2.3	2.3	
BASAL QUARTZ M	124.0	0.05		6.2		6.2	2.6	3.6
BASAL QUARTZ I & ROCK CREEK A	190.0	0.15		28.5		28.5	20.1	8.4
ROCK CREEK B	49.0	<0.01		0.1		0.1	0.1	
ROCK CREEK F TOTAL	6 941.0			1 269.0	262.0	1 531.0	1 218.7	312.3
PRIMARY AREA	401.0	0.23		92.2		92.2		
WATER FLOOD AREA	6 540.0	0.18	0.04	1 177.0	262.0	1 439.0		
ROCK CREEK G	140.0	0.10		14.0		14.0	8.4	5.6
ROCK CREEK H	1 827.0	0.15		274.0		274.0	82.4	191.6
ROCK CREEK I	221.0	0.15		33.2		33.2	27.1	6.1
ROCK CREEK J	72.6	0.10		7.3		7.3	1.9	5.4
ROCK CREEK L	65.9	0.10		6.6		6.6	2.4	4.2
ROCK CREEK M	487.0	0.15		73.1		73.1	17.8	55.3
ROCK CREEK N	165.0	0.15		24.8		24.8	11.7	13.1
FIELD TOTAL	12 447.6			1 870.3	262.0	2 132.3	1 481.0	651.3
NORMANDVILLE 079-22W5								
JURASSIC A	120.0	0.01		1.3		1.3	1.3	
MISSISSIPPIAN B	23.0	0.04		0.9		0.9	0.9	
MISSISSIPPIAN E	212.0	0.10		21.2		21.2	2.0	19.2
MISSISSIPPIAN F	214.0	0.05		10.7		10.7	2.9	7.8
PEKISKO A	68.3	0.10		6.8		6.8	0.5	6.3
D-1 A	531.0	0.35		186.0		186.0	175.4	10.6
D-1 B	403.0	<0.01		0.4		0.4	0.4	
D-1 C	129.0	0.35		45.2		45.2	5.3	39.9
D-1 D	101.0	0.25		25.3		25.3	3.2	22.1
D-1 E	88.0	0.35		30.8		30.8	20.6	10.2
D-1 F	150.0	0.35		52.5		52.5	30.4	22.1
D-1 G	336.0	0.20		67.2		67.2	19.1	48.1
D-3 A	412.0	0.46		190.0		190.0	172.2	17.8
D-3 B	526.0	0.40		210.0		210.0	184.4	25.6
D-3 C	241.0	0.35		84.4		84.4	12.7	71.7
GILWOOD A	220.0	0.30		66.0		66.0	42.8	23.2
FIELD TOTAL	3 774.3			998.7		998.7	674.1	324.6
NORRIS 054-18W4								
LOWER VIKING B	104.0	0.10		10.4		10.4	6.2	4.2
FIELD TOTAL *	104.0			10.4		10.4	6.2	4.2
NORTHVILLE 052-10W5								
CARDIUM A	367.0	0.05		18.4		18.4	2.5	15.9
ROCK CREEK A	75.3	<0.01		0.6		0.6	0.6	
JURASSIC A	231.0	0.10		23.1		23.1	3.8	19.3
JURASSIC E	76.1	0.10		7.6		7.6	5.2	2.4
FIELD TOTAL	749.4			49.7		49.7	12.1	37.6
OBERLIN 038-21W4								
MANNVILLE C	197.0	0.04		7.9		7.9	4.7	3.2
FIELD TOTAL	197.0			7.9		7.9	4.7	3.2
OGSTON 089-10W5								
KEG RIVER SANDSTONE A	1 407.0	0.05		70.4		70.4	54.1	16.3
KEG RIVER SANDSTONE B	127.0	<0.02		1.6		1.6	1.6	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	4.00	0.110	0.29	0.88	44	856	52	8 894	1 381.9	1984	88 12 - ABAND 90 09
64	3.35	0.100	0.25	0.88	45	856	52	9 280	1 453.9	1985	86 05
64	4.12	0.080	0.26	0.88	44	856	52	8 666	1 418.7	1985	92 03 - GPP
64	5.60	0.080	0.26	0.88	44	856	52	10 129	1 422.3	1986	87 04
64	1.60	0.070	0.38	0.88	44	856	52	9 244	1 378.0	1987	87 07 - ABAND 89 03
64	2.97	0.110	0.23	0.88	44	856	52	9 303	1 390.3	1986	86 10 - ABAND 90 06
64	3.20	0.100	0.34	0.88	44	856	52	8 092	1 339.0	1987	92 12 - GPP
241	1.54	0.160	0.40	0.73	114	839	80	16 440	1 962.0	1964	88 12 - GPP
64	3.66	0.150	0.35	0.73	114	839	80	16 440	1 962.0	1967	76 08
64	4.63	0.130	0.37	0.73	56	900	80	15 940	1 948.6	1979	79 12
64	3.00	0.120	0.30	0.72	120	892	65	17 235	1 908.9	1981	88 12
64	2.00	0.150	0.13	0.74	110	832	76	16 041	1 937.8	1988	91 04 - GPP
128	2.30	0.130	0.32	0.73	114	864	76	16 234	1 861.3	1980	90 08
64	1.50	0.110	0.42	0.80	135	883	62	15 299	1 903.8	1985	88 12 - ABAND 90 05
2 813	1.96	0.157	0.41	0.73	114	839	76	16 270	1 973.0	1965	92 06 - GPP
303	4.43	0.152	0.47	0.73							
2 510	4.40	0.126	0.46	0.73	115	876	71	15 157	1 910.7	1986	87 04
64	6.59	0.137	0.28	0.73	120	834	70	16 175	1 930.4	1984	89 04
385	4.92	0.170	0.45	0.75	84	879	71	16 160	1 888.0	1974	75 12
64	0.90	0.210	0.25	0.80	93	841	54	14 249	1 948.4	1987	88 11 - GPP
32	3.85	0.120	0.45	0.81	74	865	74	12 688	1 791.9	1986	92 12
64	9.84	0.129	0.20	0.75	100	862	75	15 306	1 794.9	1988	89 10 - GPP
64	3.36	0.140	0.27	0.75	100	862	75	14 538	1 786.5	1987	91 12 - GPP
32	3.66	0.150	0.25	0.90	35	921	33	7 270	821.7	1956	61 02 - ABAND 61 11
16	1.52	0.150	0.25	0.84	62	839	37	10 930	1 066.2	1957	61 02 - ABAND 61 11
32	7.10	0.200	0.45	0.85	57	833	40		1 075.6	1990	91 01
32	6.00	0.230	0.43	0.85	60	836	37	11 440	1 078.6	1990	91 05 - GPP
32	3.20	0.120	0.33	0.83	100	834	48	13 490	1 391.4	1991	92 06
365	7.04	0.035	0.28	0.82	68	834	53	18 100	1 766.9	1956	85 12 - GPP
32	77.50	0.030	0.34	0.82	66	855	57	13 647	1 755.9	1984	91 01
32	69.30	0.010	0.30	0.83	62	849	61	18 240	1 770.0	1990	90 09 - GPP
32	24.90	0.020	0.24	0.83	62	848	61	18 333	1 755.0	1990	91 07
32	11.40	0.045	0.33	0.80	76	844	60	18 290	1 783.0	1990	90 10
32	20.70	0.040	0.28	0.79	102	851	72	18 248	1 771.2	1990	91 10 - GPP
20	51.90	0.050	0.19	0.80	76	844	60	17 001	1 728.1	1991	92 02
65	21.34	0.046	0.19	0.80	77	825	66	21 820	2 049.8	1949	86 12 - GPP
231	13.00	0.030	0.27	0.80	77	825	66	21 750	2 043.1	1958	92 11 - GPP
64	12.70	0.050	0.26	0.80	75	827	69	20 809	2 051.7	1991	91 12
64	3.72	0.150	0.30	0.88	39	833	68	24 731	2 319.0	1987	92 12 - GPP
64	3.10	0.130	0.55	0.90	42	874	20	5 436	687.3	1982	83 11 - GPP
64	11.00	0.130	0.55	0.89	41	868	54	7 630	1 450.5	1981	89 08
64	2.80	0.100	0.40	0.70	150	813	62	17 000	1 982.9	1984	85 07
64	8.00	0.095	0.35	0.73	120	885	77	16 002	2 032.7	1981	82 03
64	3.21	0.084	0.37	0.70	130	800	62	17 247	1 999.9	1986	86 08 - GPP
64	2.77	0.160	0.20	0.87	51	870	47	9 970	1 322.2	1973	80 12 - GPP
320	4.80	0.150	0.29	0.86	62	829	49	16 410	1 506.6	1975	79 12 - GPP
16	7.32	0.220	0.42	0.85	50	829	43	16 040	1 491.1	1976	92 11 - ABAND 82 02

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
OGSTON 089-10W5 (CONTINUED)								
GRANITE WASH B	309.0	0.30		92.7		92.7	49.3	43.4
GRANITE WASH C	131.0	0.10		13.1		13.1	1.1	12.0
GRANITE WASH D	99.5	0.15		14.9		14.9	0.4	14.5
FIELD TOTAL	2 073.5			192.7		192.7	106.5	86.2
OKOTOKS 021-28W4								
WABAMUN A	167.0	<0.01		1.5		1.5	1.5	
FIELD TOTAL	167.0			1.5		1.5	1.5	
OTTER 088-12W5								
SLAVE POINT A	1 953.0	0.15		293.0		293.0	126.2	166.8
SLAVE POINT B	457.0	0.15		68.6		68.6	13.3	55.3
GRANITE WASH A	3 678.0	0.20		736.0		736.0	509.7	226.3
GRANITE WASH D	49.7	0.15		7.5		7.5	4.6	2.9
GRANITE WASH F	2 056.0	0.25		514.0		514.0	296.6	217.4
GRANITE WASH I	1 038.0	0.30		311.0		311.0	131.7	179.3
GRANITE WASH J	86.6	0.20		17.3		17.3	10.1	7.2
GRANITE WASH K	161.0	0.20		32.2		32.2	10.4	21.8
GRANITE WASH M	273.0	<0.02		4.0		4.0	4.0	
GRANITE WASH N	116.0	<0.02		1.2		1.2	1.2	
GRANITE WASH O	109.0	0.20		21.8		21.8	2.0	19.8
GRANITE WASH P	92.9	<0.02		1.1		1.1	1.1	
GRANITE WASH Q	79.2	0.15		11.9		11.9	1.6	10.3
GRANITE WASH R	546.0	0.30		164.0		164.0	46.6	117.4
GRANITE WASH S	57.1	<0.01		0.1		0.1	0.1	
GRANITE WASH T	50.7	0.10		5.1		5.1	4.1	1.0
GRANITE WASH U	201.0	0.20		40.2		40.2	12.2	28.0
GRANITE WASH V	203.0	0.10		20.3		20.3	1.7	18.6
GRANITE WASH W	167.0	0.20		33.4		33.4	8.7	24.7
GRANITE WASH X	29.5	0.30		8.9		8.9	1.0	7.9
GRANITE WASH Y	390.0	0.25		97.5		97.5	11.3	86.2
GRANITE WASH Z	47.8	0.20		9.6		9.6	4.7	4.9
GRANITE WASH BB	55.4	0.20		11.1		11.1	7.4	3.7
GRANITE WASH CC	141.0	0.30		42.3		42.3	18.5	23.8
FIELD TOTAL	12 037.9			2 452.1		2 452.1	1 228.8	1 223.3
PADDLE RIVER 057-08W5 D-2 A	181.0	<0.13		22.2		22.2	22.2	
FIELD TOTAL *	181.0			22.2		22.2	22.2	
PAKOWKI LAKE 004-07W4								
SUNBURST A	62.1	<0.01		0.4		0.4	0.4	
SUNBURST B	535.0	0.10		53.5		53.5	21.6	31.9
FIELD TOTAL	597.1			53.9		53.9	22.0	31.9
PANNY 096-06W5								
KEG RIVER A	739.0	0.25		185.0		185.0	107.9	77.1
KEG RIVER B	244.0	0.10		24.4		24.4	12.3	12.1
KEG RIVER C	1 220.0	0.30		366.0		366.0	223.9	142.1
KEG RIVER D	2 600.0	0.25		650.0		650.0	367.9	282.1
KEG RIVER E	122.0	0.40		48.8		48.8	35.6	13.2
KEG RIVER F	500.0	0.06		30.0		30.0	23.1	6.9
KEG RIVER G	350.0	0.17		59.5		59.5	49.0	10.5
KEG RIVER H	190.0	0.10		19.0		19.0	11.0	8.0
KEG RIVER I	239.0	0.25		59.8		59.8	36.6	23.2
KEG RIVER J	171.0	0.25		42.8		42.8	14.1	28.7
KEG RIVER K	99.7	0.15		15.0		15.0	13.7	1.3
KEG RIVER L	86.6	0.10		8.7		8.7	2.9	5.8
KEG RIVER M	88.4	0.20		17.7		17.7	8.4	9.3
KEG RIVER N	148.0	<0.01		0.2		0.2	0.2	
KEG RIVER O	181.0	<0.01		0.4		0.4	0.4	
KEG RIVER P	312.0	0.25		78.0		78.0	33.5	44.5
KEG RIVER Q	83.5	0.25		20.9		20.9	12.3	8.6
KEG RIVER R	580.0	0.10		58.0		58.0	35.3	22.7
KEG RIVER S	196.0	0.05		9.8		9.8	1.3	8.5
KEG RIVER T	229.0	<0.01		1.0		1.0	1.0	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
155	1.82	0.210	0.40	0.87	39	837	41	15 768	1 561.7	1989	92 04 - GPP
32	3.80	0.200	0.38	0.87	51	832	41	15 739	1 512.0	1990	92 02 - GPP
64	2.03	0.160	0.45	0.87	39	837	41	15 768	1 558.4	1990	91 11
64	6.10	0.100	0.25	0.57	235	811	77	26 200	2 595.9	1978	84 07 - ABAND 83 07
500	9.57	0.065	0.31	0.91	34	833	54	15 837	1 552.7	1981	90 12 - GPP
141	7.30	0.070	0.28	0.88	34	875	54	13 693	1 526.8	1990	92 12 - GPP
106	3.06	0.196	0.37	0.88	37	832	43	16 225	1 597.0	1983	87 11 - GPP
64	0.76	0.191	0.37	0.85	55	840	44	14 756	1 609.0	1983	84 11 - GPP
601	3.02	0.190	0.33	0.89	36	860	40	16 146	1 594.7	1984	92 07 - GPP
192	4.25	0.220	0.35	0.89	35	835	44	16 277	1 571.1	1984	86 09 - GPP
32	3.07	0.183	0.44	0.86	49	829	40	15 922	1 564.4	1986	91 12 - GPP
64	2.40	0.204	0.41	0.87	38	840	40	15 966	1 578.6	1985	86 03 - GPP
64	5.16	0.161	0.43	0.90	34	834	43	15 379	1 548.1	1984	87 11 - ABAND 89 04
64	2.73	0.146	0.47	0.86	34	830	43	10 467	1 529.4	1985	87 10 - ABAND 89 03
64	2.40	0.160	0.50	0.89	66	831	39	16 108	1 568.5	1985	89 05 - GPP
64	2.00	0.150	0.45	0.88	42	839	55	15 463	1 629.6	1988	91 08 - ABAND 91 02
64	2.00	0.125	0.45	0.90	34	845	43	13 885	1 581.5	1989	89 08 - GPP
64	7.89	0.185	0.35	0.90	34	845	43	14 951	1 600.8	1989	89 08
64	1.34	0.153	0.50	0.87	39	822	41	14 831	1 623.4	1989	91 08 - ABAND 91 02
16	2.86	0.190	0.33	0.87	39	837	41	14 877	1 602.4	1989	92 08 - GPP
64	3.00	0.180	0.33	0.87	39	837	41	14 689	1 604.1	1990	90 07
64	4.49	0.140	0.42	0.87	39	837	41	15 766	1 642.7	1990	91 03 - GPP
64	2.50	0.200	0.40	0.87	39	837	41	14 789	1 621.3	1990	90 10
32	1.30	0.160	0.49	0.87	39	822	41	14 952	1 564.1	1990	90 10 - GPP
64	4.67	0.200	0.25	0.87	51	832	41	14 800	1 598.0	1990	91 01
64	1.05	0.150	0.49	0.93	22	824	39	15 014	1 577.5	1989	91 10
64	1.20	0.180	0.55	0.89	36	860	40	12 670	1 608.4	1988	92 05
64	2.89	0.150	0.43	0.89	36	860	40	12 718	1 610.2	1989	92 05 - GPP
64	8.84	0.053	0.25	0.80	117	876	70	14 130	1 835.2	1954	71 11 - ABAND 78 10
32	1.80	0.190	0.39	0.93	30	923	33	8 731	889.9	1976	83 05
188	1.89	0.230	0.28	0.91	32	830	40	8 909	930.2	1979	89 10
331	3.80	0.090	0.25	0.87	51	829	38	12 172	1 182.9	1984	92 05 - GPP
64	5.90	0.080	0.07	0.87	63	831	38	11 527	1 124.3	1984	89 12 - GPP
128	14.66	0.090	0.17	0.87	51	829	38	13 029	1 239.7	1984	85 04 - GPP
421	11.38	0.080	0.22	0.87	51	837	38	12 622	1 232.2	1983	91 12 - GPP
100	3.45	0.059	0.32	0.88	51	829	38	12 209	1 175.3	1984	89 12 - GPP
100	9.71	0.080	0.26	0.87	52	840	38	12 709	1 178.9	1985	92 12 - GPP
64	11.99	0.069	0.24	0.87	51	829	38	12 308	1 194.0	1985	91 12 - GPP
100	7.00	0.054	0.43	0.88	38	828	38	12 000	1 279.9	1985	87 08 - GPP
32	14.17	0.072	0.16	0.87	52	830	38	11 702	1 148.8	1986	91 12 - GPP
64	11.70	0.054	0.52	0.88	44	835	28	13 252	1 277.2	1986	87 02 - GPP
48	7.86	0.049	0.38	0.87	52	834	38	13 107	1 265.5	1985	92 09 - GPP
64	3.00	0.073	0.29	0.87	52	845	38	13 053	1 264.5	1986	87 02 - GPP
32	10.80	0.042	0.30	0.87	47	834	37	13 083	1 257.4	1985	91 12 - GPP
64	7.54	0.061	0.40	0.84	65	834	38	12 404	1 258.2	1986	89 12
64	6.14	0.088	0.40	0.87	52	829	38	13 559	1 271.0	1986	89 12
128	6.50	0.060	0.28	0.87	52	825	38	12 736	1 253.5	1986	88 05
32	7.02	0.057	0.25	0.87	52	837	38	9 577	1 181.8	1987	91 12 - GPP
64	14.50	0.091	0.22	0.88	51	833	38	12 383	1 241.7	1986	91 12 - GPP
64	7.84	0.075	0.40	0.87	51	829	38	11 723	1 252.5	1987	89 12 - GPP
64	8.78	0.067	0.30	0.87	52	836	38	11 318	1 165.1	1987	89 12

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
PANNY 096-06W5 (CONTINUED)								
KEG RIVER U	167.0	0.25		41.8		41.8	21.5	20.3
KEG RIVER V	791.0	0.02		15.8		15.8	3.6	12.2
KEG RIVER W	180.0	0.15		27.0		27.0	3.2	23.8
KEG RIVER X	173.0	<0.01		0.1		0.1	0.1	
KEG RIVER Y	436.0	0.10		43.6		43.6	18.9	24.7
KEG RIVER Z	291.0	0.15		43.7		43.7	5.9	37.8
KEG RIVER AA	235.0	0.10		23.5		23.5	4.5	19.0
KEG RIVER BB	123.0	<0.01		0.1		0.1	0.1	
KEG RIVER CC	357.0	0.10		35.7		35.7		35.7
FIELD TOTAL	11 132.2			1 926.3		1 926.3	1 048.2	878.1
PARFLESH 025-22W4								
UPPER MANNVILLE C	101.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE D	328.0	0.10		32.8		32.8	17.1	15.7
UPPER MANNVILLE G	1 400.0	0.10	0.40	140.0	560.0	700.0	595.3	104.7
WATER FLOOD								
UPPER MANNVILLE H	34.4	<0.02		0.5		0.5	0.5	
LOWER MANNVILLE B	385.0	<0.02		4.3		4.3	4.3	
LOWER MANNVILLE D	211.0	0.05		10.5		10.5	0.5	10.0
LOWER MANNVILLE E	43.3	0.10		4.3		4.3		4.3
FIELD TOTAL	2 502.7			192.7	560.0	752.7	618.0	134.7
PEARCE 009-24W4								
BANFF A	154.0	<0.04		5.0		5.0	5.0	
D-2 A	108.0	<0.09		9.7		9.7	9.7	
FIELD TOTAL	262.0			14.7		14.7	14.7	
PEARL 030-16W4								
BANFF A	61.2	0.15		9.2		9.2	8.5	0.7
FIELD TOTAL	61.2			9.2		9.2	8.5	0.7
PEAVEY 056-24W4								
MIDDLE VIKING A	529.0	0.20		106.0		106.0	97.5	8.5
MIDDLE VIKING B	52.0	<0.01		0.2		0.2	0.2	
BLAIRMORE TOTAL	1 898.0			379.0	63.6	443.0	253.4	189.6
PRIMARY AREA	1 262.0	0.20		252.0		252.0		
WATER FLOOD AREA	636.0	0.20	0.10	127.0	63.6	191.0		
BLAIRMORE B	225.0	<0.01		0.9		0.9	0.9	
BLAIRMORE C	79.3	0.15		11.9		11.9	8.6	3.3
BLAIRMORE F	73.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	2 856.3			498.1	63.6	562.1	360.7	201.4
PECO 047-15W5								
BELLY RIVER C	1 780.0	0.10		178.0		178.0	117.2	60.8
BELLY RIVER D	202.0	0.10		20.2		20.2	2.5	17.7
BELLY RIVER E	314.0	0.05		15.7		15.7	7.5	8.2
BELLY RIVER G	52.6	<0.01		0.1		0.1	0.1	
BELLY RIVER H	547.0	0.10		54.7		54.7	26.7	28.0
BELLY RIVER J	200.0	<0.01		0.1		0.1	0.1	
BELLY RIVER K	107.0	<0.02		1.6		1.6	1.6	
BELLY RIVER L	154.0	0.10		15.4		15.4	0.1	15.3
BELLY RIVER O	232.0	0.10		23.2		23.2	16.9	6.3
BELLY RIVER P	396.0	0.05		19.8		19.8	0.1	19.7
CARDIUM C	228.0	0.10		22.8		22.8	16.7	6.1
CARDIUM D	47.3	0.10		4.7		4.7	1.0	3.7
CARDIUM E	33.4	0.15		5.0		5.0	4.1	0.9
CARDIUM F	37.7	<0.01		0.1		0.1	0.1	
CARDIUM G	199.0	0.10		19.9		19.9	11.0	8.9
CARDIUM H	76.6	0.10		7.7		7.7	5.4	2.3
VIKING A	224.0	<0.02		2.9		2.9	2.9	
GETHING B	185.0	0.10		18.5		18.5	5.8	12.7
FIELD TOTAL	5 015.6			410.4		410.4	219.8	190.6
PEMBINA 048-07W5								
BELLY RIVER B TOTAL	29 680.0			3 797.0	6 080.0	9 877.0	6 832.9	3 044.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
32	10.60	0.081	0.30	0.87	51	829	38	12 166	1 255.1	1987	91 12 - GPP
128	15.40	0.072	0.36	0.87	52	837	38	12 270	1 183.6	1987	89 12 - GPP
64	10.30	0.056	0.44	0.87	52	829	38	12 387	1 287.8	1987	87 08 - GPP
64	7.97	0.071	0.45	0.87	52	829	38	12 147	1 194.0	1987	87 08 - ABAND 89 04
32	21.90	0.094	0.24	0.87	52	820	38	11 756	1 149.2	1987	87 12 - GPP
32	15.20	0.093	0.27	0.88	51	840	38	12 019	1 218.9	1986	91 12
32	16.50	0.080	0.36	0.87	52	837	38	11 476	1 197.4	1988	88 07 - GPP
64	6.70	0.060	0.45	0.87	52	829	38	13 142	1 271.4	1988	88 09 - ABAND 89 12
64	12.00	0.080	0.34	0.88	51	829	38	13 535	1 270.7	1988	92 06
64	2.00	0.160	0.40	0.82	70	847	49	10 293	1 493.3	1981	83 04
64	9.50	0.130	0.50	0.83	66	860	37	8 765	1 442.0	1981	83 09 - GPP
360	2.61	0.230	0.21	0.82	56	858	45	10 500	1 449.3	1963	90 12 - GPP
16	3.66	0.140	0.50	0.84	66	858	49	9 095	1 462.5	1978	92 10
65	5.49	0.180	0.25	0.80	71	849	46	10 540	1 491.7	1969	83 12 - GPP
64	7.00	0.140	0.60	0.84	67	857	43	10 673	1 537.4	1980	84 05 - GPP
16	3.00	0.160	0.32	0.83	66	855	49	10 901	1 578.2	1991	92 12
64	4.01	0.100	0.25	0.80	89	892	54	23 623	2 211.0	1977	92 07 - ABAND 90 11
64	4.64	0.070	0.20	0.65	186	829	51	19 884	2 397.0	1977	92 10
64	2.13	0.060	0.15	0.88	51	894	38	9 184	1 288.9	1976	88 12 - GPP
146	2.59	0.203	0.25	0.92	37	876	38	6 070	848.0	1951	86 12 - GPP
64	1.30	0.170	0.60	0.92	32	876	32	6 044	851.0	1987	92 10
400					35	876	43	8 270	1 067.1	1951	86 08
272	3.25	0.206	0.23	0.90							- GPP
128	3.48	0.206	0.23	0.90							
32	5.00	0.240	0.35	0.90	42	912	33	7 151	1 074.2	1976	84 03
16	3.90	0.220	0.32	0.85	32	916	35	6 028	1 071.8	1983	91 12 - GPP
16	3.90	0.190	0.33	0.92	28	898	40	6 865	1 075.1	1987	92 10
467	4.70	0.160	0.35	0.78	80	806	52	12 921	2 166.2	1983	91 12 - GPP
64	5.20	0.120	0.35	0.78	90	799	50	11 921	2 000.2	1984	85 03
100	6.19	0.100	0.35	0.78	52	824	52	13 361	2 205.6	1983	92 08
64	1.80	0.090	0.35	0.78	80	806	52	13 097	2 223.4	1984	89 12
128	7.32	0.110	0.32	0.78	80	806	52	12 300	2 190.5	1984	89 05 - GPP
64	5.00	0.120	0.35	0.80	56	810	61	12 375	2 092.0	1984	85 10 - GPP
25	8.08	0.110	0.38	0.78	85	806	50	12 648	2 026.1	1985	92 12 - GPP
64	4.00	0.140	0.45	0.78	88	830	62	10 258	1 997.8	1985	85 12
64	4.60	0.140	0.25	0.75	111	797	66	11 990	2 242.0	1987	88 07 - GPP
64	8.10	0.140	0.30	0.78	80	806	52	7 376	1 803.6	1984	91 12
156	2.60	0.110	0.15	0.60	204	792	92	25 020	2 464.5	1976	85 12
64	1.40	0.110	0.20	0.60	200	791	74	19 300	2 473.2	1981	82 07
108	0.92	0.070	0.20	0.60	200	786	77	27 183	2 481.9	1982	87 12
64	1.20	0.130	0.40	0.63	175	770	62	26 120	2 427.7	1976	88 12
192	2.21	0.100	0.22	0.60	210	792	77	31 300	2 486.5	1983	85 03 - GPP
64	1.90	0.150	0.30	0.60	210	788	77	12 545	2 442.8	1986	86 10 - GPP
64	4.00	0.160	0.30	0.78	80	820	88	33 786	2 690.9	1976	81 12 - ABAND 85 11
64	4.00	0.110	0.18	0.80	350	783	100	26 620	3 048.8	1984	84 12
5 980					42	839	39	6 650	978.1	1956	91 07 - GPP

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 10 ³ m ³	2 3		4 5 6			7 CUMULATIVE PRODUCTION 10 ³ m ³	8 REMAINING ESTABLISHED RESERVES 10 ³ m ³
		RECOVERY		INITIAL ESTABLISHED RESERVES				
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
PEMBINA 048-07W5 (CONTINUED)								
PRIMARY AREA	2 050.0	0.10		205.0		205.0		
WATER FLOOD AREA	27 630.0	0.13	0.22	3 592.0	6 080.0	9 672.0		
BELLY RIVER G	215.0	0.15		32.3		32.3	30.1	2.2
BELLY RIVER H	923.0	0.10		92.3		92.3	67.2	25.1
BELLY RIVER I TOTAL	9 900.0			1 197.0	255.0	1 452.0	1 178.1	273.9
PRIMARY AREA	4 800.0	0.09		432.0		432.0		
WATER FLOOD AREA	5 100.0	<0.15	0.05	765.0	255.0	1 020.0		
BELLY RIVER J TOTAL	2 317.0			222.0	117.0	339.0	290.0	49.0
PRIMARY AREA	1 419.0	0.08		114.0		114.0		
WATER FLOOD AREA	898.0	0.12	0.13	108.0	117.0	225.0		
BELLY RIVER L TOTAL	4 298.0			274.0	444.0	718.0	575.1	142.9
PRIMARY AREA	1 336.0	0.05		66.8		66.8		
WATER FLOOD AREA	2 962.0	0.07	0.15	207.0	444.0	651.0		
BELLY RIVER P	203.0	0.05		10.2		10.2	1.3	8.9
BELLY RIVER U TOTAL	12 030.0			1 519.0	1 230.0	2 749.0	1 624.8	1 124.2
PRIMARY AREA	4 842.0	<0.13		629.0		629.0		
WATER FLOOD AREA	7 188.0	<0.13	0.17	890.0	1 230.0	2 120.0		
BELLY RIVER X TOTAL	8 048.0			644.0	1 320.0	1 964.0	616.9	1 347.1
PRIMARY AREA	1 090.0	0.08		87.2		87.2		
WATER FLOOD AREA	6 958.0	0.08	0.19	557.0	1 320.0	1 877.0		
BELLY RIVER AA	4 808.0	0.04		192.0		192.0	121.9	70.1
BELLY RIVER DD	491.0	0.05		24.6		24.6	2.9	21.7
BELLY RIVER EE	408.0	<0.01		3.2		3.2	3.2	
BELLY RIVER II	1 404.0	0.05		70.2		70.2	66.4	3.8
BELLY RIVER JJ	254.0	0.03		7.6		7.6	6.7	0.9
BELLY RIVER LL	80.2	0.10		8.0		8.0	3.7	4.3
BELLY RIVER MM	715.0	0.05		35.8		35.8	29.4	6.4
BELLY RIVER OO	317.0	<0.01		0.4		0.4	0.4	
BELLY RIVER RR	438.0	0.02		8.8		8.8	4.1	4.7
BELLY RIVER TT	72.2	0.03		2.2		2.2	1.6	0.6
BELLY RIVER XX	224.0	<0.02		2.4		2.4	2.4	
BELLY RIVER FFF, GGG	14 700.0			828.0	469.0	1 297.0	662.2	634.8
K2K & S2S TOTAL								
PRIMARY AREA	7 995.0	<0.05		393.0		393.0		
WATER FLOOD AREA	6 703.0	<0.07	0.07	435.0	469.0	904.0		
BELLY RIVER	575.0	0.02		11.5		11.5	2.3	9.2
B2B & C2C								
BELLY RIVER C & D TOTAL	24 730.0			3 215.0	3 968.0	7 183.0	4 147.7	3 035.3
PRIMARY AREA	3 205.0	0.13		417.0		417.0		
WATER FLOOD AREA	21 520.0	0.13	0.19	2 798.0	3 968.0	6 766.0		
BELLY RIVER BBB	126.0	0.10		12.6		12.6	4.4	8.2
BELLY RIVER DDD TOTAL	3 800.0			570.0	631.0	1 201.0	580.2	620.8
PRIMARY AREA	131.0	0.15		19.7		19.7		
WATER FLOOD AREA	3 669.0	0.15	0.17	550.0	631.0	1 181.0		
BELLY RIVER JJJ	292.0	0.03		8.8		8.8	3.0	5.8
BELLY RIVER MMM	350.0	<0.01		0.3		0.3	0.3	
BELLY RIVER NNN	217.0	0.05		10.9		10.9	2.1	8.8
BELLY RIVER RRR	315.0	0.02		6.3		6.3	4.8	1.5
BELLY RIVER TTT	1 895.0	0.05		94.8		94.8	37.4	57.4
BELLY RIVER VVV	239.0	<0.01		0.2		0.2	0.2	
BELLY RIVER WWW	125.0	<0.01		0.1		0.1	0.1	
BELLY RIVER XXX	191.0	<0.01		0.1		0.1	0.1	
BELLY RIVER ZZZ	519.0	0.05		26.0		26.0	12.4	13.6
BELLY RIVER A2A	875.0	0.10		87.5		87.5	34.8	52.7
BELLY RIVER E2E	144.0	0.10		14.4		14.4	6.6	7.8
BELLY RIVER G2G	130.0	0.10		13.0		13.0	3.1	9.9
BELLY RIVER M2M	870.0	0.05		43.5		43.5	9.4	34.1
BELLY RIVER N2N	121.0	0.10		12.1		12.1	0.9	11.2
BELLY RIVER O2O	320.0	<0.01		1.8		1.8	1.8	
BELLY RIVER R2R	133.0	<0.01		0.1		0.1	0.1	
BELLY RIVER U2U	200.0	0.02		4.0		4.0	1.6	2.4
BELLY RIVER W2W	164.0	<0.01		0.1		0.1	0.1	
BELLY RIVER X2X	600.0	0.05		30.0		30.0	4.4	25.6
BELLY RIVER Z2Z	123.0	0.05		6.2		6.2	2.8	3.4
BELLY RIVER A3A	368.0	<0.01		1.0		1.0	1.0	
BELLY RIVER B3B	250.0	0.10		25.0		25.0	6.4	18.6
BELLY RIVER E3E	173.0	<0.01		0.3		0.3	0.3	
BELLY RIVER F3F	106.0	0.05		5.3		5.3	4.1	1.2
BELLY RIVER M3M	463.0	0.05		23.2		23.2	1.5	21.7

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
672	4.36	0.150	0.47	0.88							
5 308	5.58	0.200	0.47	0.88							
75	3.05	0.150	0.30	0.89	35	834	42	6 900	1 121.7	1955	92 12 - GPP
97	8.63	0.200	0.38	0.89	39	820	43	9 170	1 285.0	1955	88 12 - GPP
4 343					65	834	37	8 070	1 083.9	1954	91 10 - GPP
2 015	4.36	0.186	0.67	0.89							
2 328	4.01	0.186	0.67	0.89							
409					39	819	42	8 294	1 268.8	1958	92 08 - GPP
253	5.59	0.200	0.43	0.88							
156	5.74	0.200	0.43	0.88							
1 152					42	839	37	6 690	926.6	1961	91 12
320	4.20	0.196	0.43	0.89							
832	3.58	0.196	0.43	0.89							- GPP
64	4.60	0.160	0.50	0.86	45	857	41	6 480	983.7	1955	89 04 - GPP
4 164					43	844	41	6 860	1 029.3	1964	90 10
2 042	2.80	0.183	0.48	0.89							
2 122	4.00	0.183	0.48	0.89							- GPP
1 871					40	844	42	7 856	1 040.9	1965	86 06
224	5.15	0.180	0.41	0.89							
1 647	5.10	0.179	0.48	0.89							- GPP
964	4.85	0.205	0.43	0.88	40	844	41	7 380	972.9	1965	89 10 - GPP
64	8.50	0.180	0.43	0.88	40	844	43	7 240	992.1	1957	85 12 - GPP
65	7.13	0.188	0.46	0.87	43	849	42	6 580	1 047.3	1967	76 12 - ABAND 76 09
605	3.15	0.207	0.60	0.89	65	834	44	7 480	1 035.7	1957	84 12 - GPP
64	4.32	0.190	0.45	0.88	40	844	36	6 450	942.7	1967	81 12 - GPP
65	1.68	0.165	0.50	0.89	40	839	49	7 760	1 061.3	1968	73 02 - GPP
154	6.10	0.140	0.39	0.89	40	829	42	12 820	1 260.3	1968	77 12 - GPP
65	5.76	0.190	0.50	0.89	44	904	38	6 650	973.5	1974	83 12
65	6.10	0.200	0.38	0.89	43	829	43	10 290	1 296.9	1959	85 12 - GPP
16	4.61	0.200	0.45	0.89	41	844	41	6 070	931.5	1975	92 12 - GPP
64	4.92	0.200	0.60	0.89	62	839	31	6 780	969.6	1978	82 12
2 378					45	841	32	6 825	990.9	1970	92 06
1 559	6.04	0.180	0.47	0.89							
819	9.64	0.180	0.47	0.89							- GPP
128	5.60	0.160	0.43	0.88	40	840	50	7 011	1 179.1	1985	89 12 - GPP
6 051					41	839	39	6 550	979.3	1959	92 07
696	4.95	0.190	0.45	0.89							
5 355	4.32	0.190	0.45	0.89							- GPP
64	2.00	0.190	0.42	0.89	46	846	22	7 200	940.2	1978	79 05
1 342					65	817	49	10 716	1 447.2	1978	90 03 - GPP
64	2.80	0.134	0.31	0.79							
1 278	3.93	0.134	0.31	0.79							
64	4.70	0.170	0.35	0.88	50	854	41	7 750	1 153.1	1979	83 12 - GPP
64	6.30	0.150	0.35	0.89	48	840	36	5 829	865.7	1981	82 05 - GPP
64	2.70	0.220	0.36	0.89	55	846	40	6 612	995.7	1981	83 12 - GPP
32	8.30	0.212	0.35	0.86	52	862	41	5 757	856.5	1982	86 12 - GPP
320	6.93	0.200	0.52	0.89	66	853	37	7 645	1 046.8	1980	89 12 - GPP
64	4.60	0.140	0.30	0.83	65	845	52	7 625	1 137.9	1983	86 12
32	4.40	0.180	0.45	0.90	52	857	41	6 612	901.5	1983	84 03 - ABAND 84 07
64	3.00	0.150	0.20	0.83	65	848	52	7 423	1 161.5	1983	86 12
64	9.10	0.180	0.45	0.90	65	837	41	6 679	983.0	1958	91 12 - GPP
473	3.02	0.130	0.38	0.76	65	849	52	9 697	1 345.0	1978	88 06
64	3.20	0.135	0.40	0.87	52	817	49	9 223	1 277.9	1980	86 03 - GPP
32	4.40	0.180	0.40	0.85	67	839	36	6 108	910.5	1984	86 07 - GPP
128	6.42	0.170	0.30	0.89	66	822	37	8 039	1 090.2	1985	87 07 - GPP
64	1.99	0.178	0.40	0.89	90	885	44	8 750	1 250.6	1985	86 06 - GPP
64	5.40	0.160	0.35	0.89	66	822	39	8 912	1 056.8	1985	92 10
64	2.94	0.131	0.35	0.83	72	829	39	12 716	1 441.3	1985	86 07 - ABAND 88 09
64	3.86	0.175	0.48	0.89	46	849	36	6 318	963.9	1986	91 12 - GPP
64	2.75	0.161	0.35	0.89	48	867	25	8 345	1 075.1	1986	86 10 - ABAND 88 10
64	9.86	0.178	0.40	0.89	39	834	43	10 025	1 197.4	1959	90 03 - GPP
32	4.00	0.180	0.40	0.89	65	822	38	7 998	1 068.0	1984	91 12 - GPP
64	5.50	0.180	0.30	0.83	75	813	32	8 937	1 226.3	1976	87 04 - ABAND 90 02
64	5.00	0.180	0.38	0.70	150	791	50	10 014	1 377.8	1979	80 03 - GPP
64	6.90	0.150	0.70	0.87	49	840	40	10 778	1 256.2	1987	92 10
32	3.77	0.181	0.45	0.88	50	847	41	7 053	1 100.8	1975	88 01 - GPP
128	5.65	0.150	0.52	0.89	65	823	38	9 320	1 174.0	1989	90 10

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PEMBINA 048-07W5 (CONTINUED)								
BELLY RIVER N3N	221.0	0.02		4.4		4.4		4.4
BELLY RIVER 030	85.2	0.10		8.5		8.5	0.8	7.7
BELLY RIVER U3U	242.0	0.05		12.1		12.1		12.1
BELLY RIVER S3S & T3T	1 630.0	0.05		81.5		81.5		81.5
LEA PARK A	335.0	<0.18		60.0		60.0	35.5	24.5
CARDIUM TOTAL	1 101 000.0			114 300.0	106 500.0	220 800.0	175 870.4	44 929.6
PRIMARY AREA	278 000.0	<0.09		23 800.0		23 800.0		
WATER FLOOD AREA	823 000.0	0.11	0.13	90 530.0	106 500.0	197 000.0		
CARDIUM B	636.0	0.04		25.4		25.4	22.8	2.6
CARDIUM C	100.0	0.03		3.0		3.0	2.5	0.5
CARDIUM D	209.0	0.05		10.5		10.5	9.4	1.1
CARDIUM E	187.0	0.05		9.4		9.4	6.1	3.3
CARDIUM F	169.0	<0.01		0.3		0.3	0.3	
CARDIUM G	125.0	<0.01		0.2		0.2	0.2	
CARDIUM H	96.9	0.15		14.5		14.5	12.3	2.2
CARDIUM I	100.0	0.20		20.0		20.0	10.0	10.0
CARDIUM J	165.0	0.10		16.5		16.5	1.8	14.7
CARDIUM K	247.0	0.10		24.7		24.7	4.6	20.1
CARDIUM L	358.0	<0.16	0.02	54.5	9.0	63.5	49.7	13.8
WATER FLOOD								
CARDIUM M	311.0	0.02		6.2		6.2	4.9	1.3
CARDIUM N	240.0	0.03		7.2		7.2	5.4	1.8
CARDIUM O	24.7	<0.01		0.1		0.1	0.1	
CARDIUM P	386.0	0.05		19.3		19.3	17.0	2.3
CARDIUM Q	129.0	0.10		12.9		12.9	11.4	1.5
CARDIUM R	79.3	0.10		7.9		7.9	4.1	3.8
CARDIUM S	216.0	0.10		21.6		21.6	1.1	20.5
CARDIUM T	547.0	0.15		82.1		82.1	23.6	58.5
CARDIUM U	75.8	0.10		7.6		7.6	0.2	7.4
CARDIUM W	101.0	0.05		5.1		5.1	0.2	4.9
SECOND WHITE	100.0	0.10		10.0		10.0	3.9	6.1
SPECKS A								
SECOND WHITE	257.0	0.10		25.7		25.7	8.3	17.4
SPECKS B								
VIKING B	800.0	0.15		120.0		120.0	118.0	2.0
VIKING D	213.0	<0.01		0.1		0.1	0.1	
VIKING E	5.6	0.05		0.3		0.3	0.3	
VIKING F	52.2	0.15		7.8		7.8	7.2	0.6
VIKING G	136.0	0.10		13.6		13.6	1.6	12.0
VIKING H	76.3	0.05		3.8		3.8	0.4	3.4
VIKING I	39.0	0.10		3.9		3.9	1.6	2.3
VIKING K	30.5	0.10		3.1		3.1	0.2	2.9
GLAUCONITIC J	55.3	0.15		8.3		8.3	5.3	3.0
GLAUCONITIC K	79.4	<0.01		0.2		0.2	0.2	
GLAUCONITIC N	256.0	<0.01		0.1		0.1	0.1	
GLAUCONITIC P	1 103.0	0.08		88.2		88.2	59.8	28.4
GLAUCONITIC Q	164.0	<0.01		0.1		0.1	0.1	
GLAUCONITIC R	1 629.0	0.15		244.0		244.0	171.1	72.9
GLAUCONITIC T	608.0	0.05		30.4		30.4	0.9	29.5
GLAUCONITIC Y	152.0	0.10		15.2		15.2	6.4	8.8
GLAUCONITIC Z	130.0	0.05		6.5		6.5	1.2	5.3
GLAUCONITIC BB	326.0	0.10		32.6		32.6	4.2	28.4
GLAUCONITIC CC	341.0	0.03		10.2		10.2	1.2	9.0
GLAUCONITIC DD	174.0	0.10		17.4		17.4	2.1	15.3
GLAUCONITIC EE	262.0	0.10		26.2		26.2	1.6	24.6
GLAUCONITIC FF	62.1	0.10		6.2		6.2	1.6	4.6
GLAUCONITIC GG	36.8	0.15		5.5		5.5	4.8	0.7
GLAUCONITIC HH	113.0	0.05		5.7		5.7	1.0	4.7
GLAUCONITIC II	91.6	0.10		9.2		9.2	0.2	9.0
GLAUCONITIC KK	96.1	0.15		14.4		14.4	0.9	13.5
GLAUCONITIC F.L & M	126.0	0.10		12.6		12.6	5.0	7.6
OSTRACOD D	239.0	0.05		12.0		12.0	8.4	3.6
OSTRACOD E TOTAL	3 567.0			445.0	790.0	1 235.0	1 012.3	222.7
PRIMARY AREA	132.0	0.25		33.0		33.0		
WATER FLOOD AREA	3 435.0	0.12	0.23	412.0	790.0	1 202.0		
OSTRACOD F	185.0	0.10		18.5		18.5	17.1	1.4
OSTRACOD G TOTAL	437.0			91.7	40.0	132.0	73.4	58.6
PRIMARY AREA	36.5	0.21		7.7		7.7		
GAS FLOOD AREA	400.0	0.21	0.10	84.0	40.0	124.0		
OSTRACOD H	23.4	<0.01		0.2		0.2	0.2	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	6.00	0.150	0.52	0.80	80	810	49	9 221	1 182.5	1987	90 04
64	4.00	0.110	0.66	0.89	39	839	41	9 239	1 163.7	1989	90 07
64	3.90	0.180	0.38	0.87	130	827	42	7 888	1 218.8	1957	92 10
573	3.29	0.180	0.46	0.89	45	841	32		962.1	1964	92 03
83	4.20	0.150	0.20	0.80	166	798	52	15 403	1 447.4	1985	90 08
191 651					96	834	46	18 890	1 540.9	1953	91 12 - GPP
49 291	6.77	0.121	0.15	0.81							
142 360	6.10	0.130	0.10	0.81							
194	4.05	0.116	0.15	0.82	96	834	60	12 410	1 213.7	1963	83 12 - GPP
16	7.01	0.130	0.15	0.81	82	834	44	10 280	1 339.0	1973	92 12 - GPP
64	4.36	0.109	0.15	0.81	80	834	46	18 620	1 806.2	1976	82 12 - GPP
64	2.70	0.150	0.11	0.81	83	834	53	17 540	1 840.1	1978	85 12 - GPP
64	3.49	0.110	0.15	0.81	80	834	50	17 733	1 760.6	1981	83 12 - GPP
64	2.81	0.101	0.15	0.81	80	834	56	16 588	1 620.8	1981	82 11 - GPP
64	2.00	0.110	0.15	0.81	80	840	40	15 689	1 226.4	1982	86 12 - GPP
20	5.60	0.120	0.20	0.93	28	873	38	14 445	1 132.2	1983	90 12 - GPP
64	3.40	0.110	0.15	0.81	80	834	50	15 100	1 844.0	1983	84 04 - GPP
64	4.88	0.115	0.15	0.81	80	834	50	17 758	1 763.3	1984	85 03 - GPP
38	7.62	0.160	0.15	0.91	55	835	44	17 790	1 463.9	1984	90 12 - GPP
64	5.70	0.110	0.10	0.86	53	845	58	19 449	1 744.5	1983	87 12
64	4.20	0.125	0.15	0.84	61	856	56	19 070	1 761.0	1984	87 12 - GPP
64	0.40	0.140	0.15	0.81	125	830	56	18 400	1 671.8	1984	84 08 - ABAND 91 08
128	3.75	0.110	0.15	0.86	55	835	44	20 565	1 670.4	1986	91 12 - GPP
64	2.00	0.140	0.15	0.85	57	875	51	16 046	1 195.8	1987	87 12 - GPP
64	1.20	0.150	0.15	0.81	84	865	45	15 986	1 367.9	1985	86 01 - GPP
64	3.60	0.130	0.15	0.85	78	833	49	19 452	1 429.0	1983	90 03 - GPP
359	2.70	0.080	0.15	0.83	65	846	55	19 444	1 461.6	1989	90 05
64	2.10	0.080	0.15	0.83	65	846	55	19 370	1 409.5	1979	90 12
64	2.50	0.110	0.30	0.82	76	843	52	9 757	1 487.3	1991	92 10
64	2.00	0.140	0.30	0.80	85	870	60	19 461	1 799.0	1984	84 09 - GPP
64	4.30	0.180	0.27	0.71	135	838	53	24 720	1 716.7	1985	86 03
1 999	1.42	0.056	0.26	0.68	156	810	65	18 894	1 931.4	1982	85 08 - GPP
64	5.20	0.160	0.55	0.89	40	830	40	10 760	1 583.0	1983	89 12
64	0.23	0.074	0.26	0.69	136	810	74	17 000	1 984.8	1984	86 08 - ABAND 86 02
64	1.35	0.120	0.26	0.68	150	810	74	17 670	1 989.9	1983	87 12 - GPP
64	3.20	0.120	0.34	0.84	60	768	58	10 773	1 716.2	1985	87 05
64	1.40	0.150	0.20	0.71	150	810	82	17 459	1 980.2	1986	88 02
64	1.60	0.080	0.30	0.68	149	832	55	12 036	1 742.3	1987	88 02 - GPP
64	1.00	0.100	0.30	0.68	149	826	82	16 800	1 891.5	1990	91 05 - GPP
64	1.50	0.120	0.40	0.80	90	876	48	14 047	1 630.3	1981	89 12 - GPP
16	9.40	0.110	0.40	0.80	88	829	64	13 040	1 890.8	1981	92 12
64	8.00	0.120	0.48	0.80	85	889	68	12 905	1 602.5	1980	84 12
392	5.79	0.116	0.41	0.71	110	871	66	12 039	1 560.0	1982	92 12 - GPP
64	4.10	0.130	0.40	0.80	85	860	56	12 814	1 870.9	1984	85 01
484	4.61	0.120	0.23	0.79	92	850	52	13 116	1 601.6	1984	89 09
128	9.81	0.110	0.45	0.80	85	877	65	12 365	1 777.3	1985	88 03
64	3.20	0.130	0.26	0.77	95	866	62	12 441	1 643.0	1986	87 04 - GPP
120	1.50	0.120	0.25	0.80	92	850	52	12 988	1 601.5	1985	92 12
64	8.48	0.100	0.25	0.80	75	868	57	12 450	1 675.0	1986	87 12 - GPP
64	9.00	0.120	0.36	0.77	95	866	62	12 994	1 052.7	1988	89 12 - GPP
64	5.20	0.100	0.32	0.77	95	866	62	12 000	1 639.2	1987	88 08
64	6.44	0.103	0.20	0.77	95	866	62	13 675	1 614.0	1987	88 08 - GPP
64	1.80	0.110	0.29	0.69	140	856	64	18 679	1 834.5	1981	89 02
64	1.01	0.100	0.28	0.79	92	850	52	11 981	1 628.5	1987	89 09 - GPP
32	5.08	0.120	0.27	0.79	92	850	52	12 031	1 637.9	1988	89 09 - GPP
64	2.10	0.112	0.21	0.77	95	866	62	12 778	1 594.0	1987	89 10
64	2.20	0.110	0.27	0.85	62	861	61	13 472	1 556.9	1990	91 05
64	2.63	0.120	0.21	0.79	75	876	60	12 362	1 616.1	1980	89 09 - GPP
336	1.83	0.090	0.40	0.72	160	839	49	19 170	1 757.8	1975	92 11
3 257					123	840	57	15 866	1 618.2	1979	89 12
128	1.10	0.160	0.22	0.75							- GPP
3 129	1.22	0.160	0.25	0.75							
64	3.98	0.120	0.16	0.72	140	840	64	15 637	1 579.7	1980	88 12
1 034					105	810	57	14 953	1 729.7	1979	90 02 - GPP
64	1.10	0.100	0.27	0.71							
970	0.83	0.100	0.30	0.71							
64	0.70	0.110	0.34	0.72	140	840	48	13 988	1 626.2	1981	82 08 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PEMBINA 048-07W5 (CONTINUED)								
OSTRACOD K	351.0	0.10		35.1		35.1	19.0	16.1
OSTRACOD M	103.0	<0.01		0.8		0.8	0.8	
OSTRACOD N	37.1	<0.01		0.1		0.1	0.1	
OSTRACOD O	46.0	<0.01		0.3		0.3	0.3	
OSTRACOD P	97.9	0.20		19.6		19.6	8.2	11.4
OSTRACOD Q	73.3	0.15		11.0		11.0	2.4	8.6
OSTRACOD R	142.0	0.10		14.2		14.2	1.5	12.7
ELLERSLIE A	800.0	0.25		200.0		200.0	187.1	12.9
ELLERSLIE D	155.0	<0.02		1.8		1.8	1.8	
ELLERSLIE I	129.0	<0.04		5.0		5.0	5.0	
ELLERSLIE L	266.0	<0.01		0.2		0.2	0.2	
ELLERSLIE N	28.2	<0.01		0.2		0.2	0.2	
ELLERSLIE O	246.0	<0.01		0.1		0.1	0.1	
ELLERSLIE P	17.9	<0.01		0.1		0.1	0.1	
ELLERSLIE R	285.0	0.10		28.5		28.5	4.5	24.0
ELLERSLIE T	30.9	0.25		7.7		7.7	1.3	6.4
ELLERSLIE F	227.0	<0.01		0.2		0.2	0.2	
JURASSIC C & D ELLERSLIE G,K,M & JURASSIC E	4 677.0	0.04		187.0		187.0	97.2	89.8
JURASSIC A	690.0	0.02		13.8		13.8	12.0	1.8
JURASSIC B	242.0	0.10		24.2		24.2	13.2	11.0
JURASSIC F	438.0	0.02		8.8		8.8	3.5	5.3
JURASSIC G	95.7	0.10		9.6		9.6	1.6	8.0
JURASSIC H	296.0	<0.01		0.2		0.2	0.2	
JURASSIC J	408.0	0.10		40.8		40.8	8.3	32.5
JURASSIC K	300.0	0.10		30.0		30.0	16.6	13.4
JURASSIC L	76.8	<0.01		0.1		0.1	0.1	
JURASSIC M	209.0	<0.01		0.9		0.9	0.9	
JURASSIC N	556.0	0.05		27.8		27.8	8.6	19.2
JURASSIC O	180.0	0.10		18.0		18.0	0.4	17.6
JURASSIC Q	542.0	0.05		27.1		27.1	7.0	20.1
JURASSIC R	949.0	0.10		94.9		94.9	39.2	55.7
JURASSIC S	213.0	0.10		21.3		21.3	1.7	19.6
JURASSIC T	185.0	0.10		18.5		18.5	6.8	11.7
JURASSIC U	94.7	<0.01		0.1		0.1	0.1	
JURASSIC V	167.0	0.10		16.7		16.7	9.1	7.6
JURASSIC Y	89.9	0.02		1.8		1.8	1.1	0.7
JURASSIC Z	330.0	0.10		33.0		33.0	3.5	29.5
JURASSIC CC	423.0	0.03		12.7		12.7	9.2	3.5
JURASSIC FF	401.0	0.15		60.2		60.2	17.2	43.0
JURASSIC KK	289.0	0.15		43.4		43.4	2.2	41.2
JURASSIC NN	161.0	0.15		24.2		24.2	2.0	22.2
PEKISKO A	118.0	<0.12		13.8		13.8	13.8	
PEKISKO B	98.6	<0.02		1.6		1.6	1.6	
BANFF A	176.0	<0.01		0.4		0.4	0.4	
BANFF B	131.0	<0.01		0.1		0.1	0.1	
BANFF C	104.0	<0.01		0.1		0.1	0.1	
BANFF H	98.3	<0.01		0.1		0.1	0.1	
BANFF K	108.0	0.10		10.8		10.8	2.2	8.6
BLUERIDGE A	575.0	<0.09		50.3		50.3	50.3	
BLUERIDGE B	364.0	<0.01		1.3		1.3	1.3	
BLUERIDGE C	199.0	<0.02		2.8		2.8	2.8	
BLUERIDGE D	410.0	0.15		61.5		61.5	31.4	30.1
NISKU A SOLVENT FLOOD	3 000.0	0.40	0.35	1 200.0	1 050.0	2 250.0	1 951.0	299.0
NISKU B WATER FLOOD	80.0	0.20	0.15	16.0	12.0	28.0	22.5	5.5
NISKU C WATER FLOOD	2 200.0	0.30	0.20	660.0	440.0	1 100.0	810.8	289.2
NISKU D SOLVENT FLOOD	4 800.0	0.40	0.32	1 920.0	1 540.0	3 460.0	3 049.3	410.7
NISKU E WATER FLOOD	700.0	0.20	0.20	140.0	140.0	280.0	235.1	44.9
NISKU F SOLVENT FLOOD	2 100.0	0.35	0.26	735.0	565.0	1 300.0	600.3	699.7
NISKU G SOLVENT FLOOD	2 652.0	0.40	0.37	1 060.0	980.0	2 040.0	1 876.1	163.9
NISKU H WATER FLOOD	450.0	0.30	0.22	135.0	99.0	234.0	129.5	104.5
NISKU I WATER FLOOD	750.0	0.20	0.30	150.0	225.0	375.0	235.9	139.1
NISKU J WATER FLOOD	1 200.0	0.35	0.12	420.0	144.0	564.0	382.7	181.3
NISKU K SOLVENT FLOOD	2 600.0	0.40	0.40	1 040.0	1 040.0	2 080.0	1 851.6	228.4

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	5.80	0.150	0.16	0.75	109	888	64	15 851	1 591.0	1982	83 05 - GPP
64	2.80	0.150	0.50	0.77	99	910	60	16 772	1 665.8	1984	88 12 - ABAND 89 08
64	1.10	0.120	0.43	0.77	99	879	60	16 016	1 636.8	1984	85 06 - ABAND 85 07
64	1.60	0.110	0.44	0.73	120	793	58	13 980	1 620.8	1980	85 08 - ABAND 90 03
64	1.50	0.150	0.15	0.80	82	860	62	14 327	1 857.8	1990	91 12
64	1.50	0.140	0.38	0.88	82	859	62	14 802	1 722.5	1990	92 02
64	3.30	0.130	0.40	0.86	100	903	47	14 802	1 728.4	1991	92 02
333	2.90	0.140	0.20	0.74	115	865	69	15 550	1 769.5	1957	89 12
64	4.80	0.090	0.30	0.80	99	832	46	17 794	2 323.3	1978	92 10
64	2.80	0.130	0.25	0.74	116	863	67	13 500	1 561.1	1983	92 07 - ABAND 92 05
64	6.90	0.134	0.40	0.75	110	860	60	16 835	2 075.5	1984	85 01 - ABAND 85 09
64	1.20	0.070	0.30	0.75	115	855	60	21 103	2 243.3	1985	89 12
64	6.10	0.129	0.34	0.74	110	870	55	15 957	1 688.1	1987	88 01 - ABAND 88 05
16	1.40	0.130	0.24	0.81	75	895	64	17 585	1 766.9	1988	92 10
64	7.60	0.120	0.34	0.74	116	864	67	17 111	2 136.2	1990	91 03
43	0.84	0.150	0.23	0.74	116	864	67	17 772	1 772.6	1976	92 12
64	6.13	0.120	0.30	0.69	155	850	50	14 760	2 110.0	1981	83 03
1 510	4.90	0.140	0.39	0.74	99	870	60	15 694	1 695.7	1982	88 01 - GPP
64	17.50	0.110	0.30	0.80	91	870	37	19 429	2 298.8	1979	88 12 - GPP
64	5.20	0.130	0.30	0.80	80	848	78	19 557	2 277.1	1980	82 11 - GPP
128	6.09	0.090	0.22	0.80	176	830	79	18 950	2 383.6	1982	86 12
64	4.00	0.085	0.45	0.80	83	896	70	13 237	2 082.0	1982	83 11
64	7.40	0.120	0.35	0.80	90	895	51	11 076	1 756.6	1978	92 10
303	2.49	0.130	0.48	0.80	92	865	50	15 579	1 737.5	1983	89 11
64	5.25	0.162	0.31	0.80	176	826	79	19 999	2 263.3	1985	85 11
64	2.00	0.150	0.50	0.80	80	860	60	16 565	1 958.5	1984	85 01
64	4.50	0.145	0.41	0.85	92	895	55	15 050	1 770.8	1985	86 05 - ABAND 87 09
315	2.83	0.130	0.40	0.80	90	885	44	15 703	1 795.1	1986	92 08
64	7.50	0.086	0.34	0.66	176	828	79	20 052	2 269.8	1985	86 07 - GPP
128	9.16	0.100	0.30	0.66	176	828	79	18 086	2 279.6	1985	90 03
326	3.37	0.180	0.40	0.80	90	871	60	15 751	1 799.4	1986	88 03
64	6.72	0.087	0.29	0.80	176	828	79	22 027	2 263.5	1987	87 08
64	2.70	0.180	0.15	0.70	140	810	79	17 354	2 490.4	1978	80 11 - GPP
64	2.30	0.130	0.25	0.66	176	828	79	17 370	2 454.6	1986	88 09 - ABAND 89 07
64	5.50	0.120	0.40	0.66	176	828	79	17 210	2 512.8	1981	88 11
16	6.00	0.180	0.35	0.80	77	895	63	16 688	1 920.3	1989	92 12
64	9.30	0.100	0.25	0.74	120	829	78	16 725	2 219.8	1989	89 12
64	14.00	0.090	0.30	0.75	99	832	46	17 961	2 319.5	1980	84 12 - GPP
128	4.14	0.140	0.27	0.74	120	829	78	22 664	2 264.4	1990	91 10 - GPP
64	6.80	0.130	0.31	0.74	120	739	78	18 568	2 349.1	1991	91 10
64	5.67	0.080	0.29	0.78	92	853	77	17 873	2 311.5	1991	92 02
65	1.83	0.150	0.20	0.83	53	910	88	19 620	1 868.4	1960	64 04 - GPP
32	6.10	0.094	0.36	0.84	61	915	65	14 486	1 910.3	1986	87 05 - ABAND 89 12
16	10.00	0.200	0.32	0.81	75	880	60	17 285	1 641.0	1981	92 11 - ABAND 83 01
16	9.00	0.150	0.25	0.81	88	866	32	18 684	1 585.4	1983	92 11 - ABAND 83 10
64	3.06	0.113	0.42	0.81	84	866	56	17 370	1 689.8	1984	85 07 - ABAND 89 08
64	2.00	0.120	0.21	0.81	88	866	56	18 310	1 932.0	1979	90 07 - ABAND 90 07
16	10.20	0.150	0.47	0.83	85	883	56	17 354	1 790.0	1989	92 09
128	15.10	0.065	0.25	0.61	138	816	83	25 639	2 606.1	1977	91 10 - ABAND 90 05
64	22.10	0.050	0.22	0.66	162	811	83	17 343	2 796.0	1979	81 01 - ABAND 83 11
64	11.80	0.050	0.20	0.66	162	790	83	19 443	2 712.5	1979	84 12 - ABAND 85 08
64	30.20	0.059	0.41	0.61	210	829	84	22 635	2 587.3	1981	82 04 - GPP
105	68.69	0.080	0.20	0.65	185	806	100	33 900	3 005.4	1977	88 04 - GPP
34	7.47	0.085	0.26	0.50	318	780	99	30 175	2 911.0	1977	84 09 - GPP
145	18.90	0.130	0.13	0.71	145	825	84	26 210	2 640.8	1977	89 12 - GPP
143	38.85	0.120	0.10	0.80	140	841	82	25 781	2 583.7	1978	86 06 - GPP
77	40.00	0.040	0.20	0.71	121	834	84	28 230	2 717.6	1977	91 12 - GPP
170	16.66	0.119	0.18	0.76	89	852	83	26 640	2 550.2	1978	88 04 - GPP
198	32.20	0.080	0.20	0.65	123	810	96	28 000	2 908.2	1978	89 02 - GPP
76	10.12	0.095	0.12	0.70	148	833	89	27 173	2 767.7	1978	84 01 - GPP
53	54.45	0.047	0.21	0.70	115	811	94	25 007	2 903.5	1978	92 12 - GPP
69	52.40	0.066	0.25	0.67	142	809	90	27 730	2 791.0	1978	80 09 - GPP
51	73.06	0.127	0.18	0.67	147	808	92	29 060	2 886.1	1978	87 04 - GPP

TABLE 2-6

FIELD POOL	1 INITIAL VOLUME IN PLACE 103m3	2 3		4 5 6			7 CUMULATIVE PRODUCTION 103m3	8 REMAINING ESTABLISHED RESERVES 103m3
		RECOVERY		INITIAL ESTABLISHED RESERVES				
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
PEMBINA 048-07W5 (CONTINUED)								
NISKU L SOLVENT FLOOD	5 000.0	0.25	0.57	1 250.0	2 850.0	4 100.0	3 112.6	987.4
NISKU M SOLVENT FLOOD	2 850.0	0.40	0.35	1 140.0	998.0	2 138.0	1 781.2	356.8
NISKU N WATER FLOOD	1 600.0	0.35	0.10	560.0	160.0	720.0	533.3	186.7
NISKU O SOLVENT FLOOD	1 700.0	0.40	0.33	680.0	560.0	1 240.0	1 073.1	166.9
NISKU P SOLVENT FLOOD	4 250.0	0.40	0.38	1 700.0	1 615.0	3 315.0	2 793.3	521.7
NISKU Q SOLVENT FLOOD	2 800.0	0.40	0.44	1 120.0	1 230.0	2 350.0	1 503.0	847.0
NISKU R WATER FLOOD	450.0	0.30	0.25	135.0	113.0	248.0	189.9	58.1
NISKU S WATER FLOOD	830.0	0.40	0.20	332.0	166.0	498.0	348.9	149.1
NISKU T	998.0	0.20		200.0		200.0	40.1	159.9
NISKU U	72.5	0.10		7.3		7.3	3.3	4.0
NISKU V	41.8	<0.06		2.3		2.3	2.3	
NISKU W	81.5	0.10		8.2		8.2	1.9	6.3
NISKU X	90.8	0.20		18.2		18.2	2.4	15.8
FIELD TOTAL	1 308 648.5			145 111.1	135 780.0	280 891.4	217 739.0	63 152.4
PENDANT D'OREILLE 003-08W4								
MANNVILLE F	170.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL *	170.0			0.2		0.2	0.2	
PENHOLD 036-27W4								
VIKING A	125.0	<0.03		3.7		3.7	3.7	
VIKING B	680.0	0.15		102.0		102.0	80.0	22.0
VIKING C	40.4	<0.01		0.1		0.1	0.1	
VIKING D	83.9	<0.01		0.4		0.4	0.4	
VIKING E	709.0	0.05		35.5		35.5	11.7	23.8
VIKING G	38.1	0.20		7.6		7.6	4.3	3.3
UPPER MANNVILLE A	66.7	0.10		6.7		6.7	3.0	3.7
LOWER MANNVILLE A	1 490.0	0.06		89.4		89.4	56.8	32.6
LOWER MANNVILLE D	206.0	0.10		20.6		20.6	2.9	17.7
LOWER MANNVILLE F	76.9	0.10		7.6		7.6	7.4	0.2
LOWER MANNVILLE K	199.0	0.10		19.9		19.9	3.0	16.9
LOWER MANNVILLE E & H	296.0	0.10		29.6		29.6	9.8	19.8
D-2 A	408.0	<0.03		10.1		10.1	10.1	
D-2 B	81.3	0.10		8.1		8.1	8.1	
D-3 A	183.0	<0.02		3.4		3.4	3.4	
FIELD TOTAL	4 683.3			344.7		344.7	204.7	140.0
PEORIA 076-01W6								
D-1 A	519.0	0.02		10.4		10.4	4.3	6.1
D-1 B	106.0	0.10		10.6		10.6	1.2	9.4
D-1 C	128.0	0.15		19.2		19.2	4.8	14.4
FIELD TOTAL	753.0			40.2		40.2	10.3	29.9
PINCHER CREEK 005-30W4								
LOWER MANNVILLE A	377.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE B	77.6	0.10		7.8		7.8	0.2	7.6
FIELD TOTAL	454.6			8.0		8.0	0.4	7.6
PINE CREEK 057-19W5								
BELLY RIVER A	87.0	<0.01		0.6		0.6	0.6	
BELLY RIVER B	212.0	0.10		21.2		21.2	1.3	19.9
CARDIUM L	64.6	0.10		6.5		6.5	5.8	0.7
CARDIUM N	151.0	0.10		15.1		15.1	6.3	8.8
CARDIUM O	157.0	0.10		15.7		15.7	1.9	13.8
CARDIUM Q	29.3	0.10		2.9		2.9	1.2	1.7
CARDIUM T	30.1	<0.01		0.2		0.2	0.2	
CARDIUM U	131.0	0.10		13.1		13.1	2.0	11.1
CARDIUM V	25.0	0.20		5.0		5.0	3.4	1.6

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
253	30.12	0.105	0.12	0.71	124	821	93	28 620	2 869.7	1978	85 09 - GPP
80	65.21	0.087	0.09	0.69	140	820	92	28 452	2 845.5	1978	83 07 - GPP
85	29.13	0.110	0.11	0.66	164	809	88	27 460	2 757.5	1979	85 12 - GPP
140	18.85	0.118	0.16	0.65	148	809	88	30 861	2 844.3	1979	87 12 - GPP
170	42.34	0.103	0.09	0.63	186	800	93	28 992	2 905.0	1979	87 05 - GPP
122	33.86	0.098	0.09	0.76	150	819	91	28 719	2 871.5	1980	85 05 - GPP
64	12.23	0.095	0.11	0.68	148	827	89	27 299	2 762.4	1980	92 12 - GPP
42	35.00	0.096	0.16	0.70	127	831	84	26 542	2 632.0	1981	92 12 - GPP
76	32.20	0.060	0.15	0.80	121	834	84	26 562	2 653.5	1988	91 11
16	16.50	0.050	0.18	0.67	166	807	88	21 831	2 704.5	1989	91 12 - GPP
64	2.60	0.050	0.25	0.67	166	807	88	23 289	2 685.6	1988	92 10
32	7.70	0.070	0.25	0.63	172	808	96	23 236	2 676.0	1988	92 08
64	5.70	0.050	0.21	0.63	172	808	96	22 635	2 851.0	1991	92 02
65	2.44	0.200	0.35	0.83	80	855	38	8 270	910.4	1969	70 09 - ABAND 70 06
64	-3.13	0.110	0.30	0.81	78	849	51	8 630	1 680.4	1976	79 09 - GPP
1 078	1.25	0.100	0.36	0.79	65	850	55	8 953	1 696.2	1981	87 03
64	1.50	0.130	0.60	0.81	66	812	68	10 140	1 748.3	1983	84 09 - ABAND 84 10
64	1.30	0.180	0.30	0.80	76	820	66	10 569	1 678.4	1982	84 12 - ABAND 85 10
256	5.02	0.100	0.31	0.80	76	837	60	10 220	1 710.2	1981	88 05 - GPP
64	1.50	0.070	0.30	0.81	60	831	64	10 252	1 714.5	1986	89 12 - GPP
64	1.50	0.110	0.19	0.78	91	879	70	13 956	1 860.1	1988	88 08 - GPP
231	7.40	0.130	0.14	0.78	91	877	69	14 760	1 885.2	1960	79 08 - GPP
64	4.00	0.120	0.14	0.78	91	830	69	16 068	1 986.5	1986	86 11
64	2.30	0.100	0.33	0.78	91	830	69	13 393	2 035.4	1986	87 05 - GPP
64	3.20	0.160	0.22	0.78	91	879	69	13 969	1 833.5	1991	91 12
192	2.08	0.130	0.27	0.78	91	847	69	12 875	1 979.2	1985	88 03 - GPP
192	6.40	0.060	0.21	0.70	160	805	82	20 930	2 299.8	1961	83 07 - ABAND 84 01
32	9.04	0.055	0.28	0.71	154	806	83	21 101	2 303.0	1985	91 10 - ABAND 90 03
65	5.18	0.109	0.17	0.60	217	825	77	20 410	2 312.5	1968	75 12
16	108.30	0.050	0.19	0.74	114	875	62	24 358	2 350.2	1989	92 12 - GPP
16	20.50	0.050	0.22	0.83	62	849	61	21 608	2 311.2	1989	91 12 - GPP
16	36.90	0.040	0.27	0.74	114	874	62	23 339	2 298.5	1984	91 12
64	11.80	0.120	0.46	0.77	95	845	65	16 036	2 922.7	1983	91 12 - ABAND 91 02
64	3.30	0.090	0.47	0.77	95	845	65	15 647	2 875.2	1983	85 02
64	1.80	0.130	0.30	0.83	68	837	55	7 824	1 483.5	1957	92 10
64	5.00	0.160	0.50	0.83	64	812	50	11 626	1 476.3	1986	88 01
64	2.20	0.087	0.15	0.62	190	821	60	19 768	1 801.7	1980	82 03 - GPP
64	3.20	0.150	0.30	0.70	135	820	65	19 991	1 786.5	1981	82 02 - GPP
64	4.20	0.120	0.36	0.76	185	793	86	21 727	1 956.5	1985	85 08
64	1.90	0.053	0.35	0.70	167	802	73	19 860	2 200.2	1986	88 02
64	0.80	0.120	0.30	0.70	180	795	71	19 880	1 935.4	1984	92 03 - ABAND 91 05
64	2.20	0.180	0.25	0.69	148	822	64		1 755.5	1990	90 12
121	0.46	0.100	0.30	0.64	185	793	86	21 537	1 875.5	1988	89 12

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
PINE CREEK 057-19W5 (CONTINUED)								
CARDIUM H & I	6 100.0	0.07		427.0		427.0	361.8	65.2
CARDIUM J & K	22.8	0.10		2.3		2.3	2.1	0.2
CARDIUM P & S	389.0	0.10		38.9		38.9	28.8	10.1
SECOND WHITE	2 860.0	0.10		286.0		286.0	265.0	21.0
SPECKS A								
SECOND WHITE	192.0	0.05		9.6		9.6	4.3	5.3
SPECKS C								
SECOND WHITE	258.0	0.15		38.7		38.7	24.5	14.2
SPECKS D								
SECOND WHITE	339.0	0.10		33.9		33.9	22.0	11.9
SPECKS E								
D-3 C	113.0	<0.28		31.5		31.5	31.5	
FIELD TOTAL	11 160.8			948.2		948.2	762.7	185.5
PINE NORTHWEST 058-20W5								
SECOND WHITE	894.0	0.02		17.9		17.9	8.6	9.3
SPECKS A								
FIELD TOTAL	894.0			17.9		17.9	8.6	9.3
PINEDALE 054-16W4								
VIKING A	70.5	<0.01		0.1		0.1	0.1	
FIELD TOTAL	70.5			0.1		0.1	0.1	
POUCE COUPE 080-12W6								
CHARLIE LAKE A	114.0	<0.01		0.3		0.3	0.3	
BOUNDARY A	132.0	<0.01		0.1		0.1	0.1	
HALFWAY A	153.0	<0.01		0.1		0.1	0.1	
HALFWAY B	124.0	<0.01		0.2		0.2	0.2	
HALFWAY C	1 072.0	0.07		75.0		75.0	40.9	34.1
HALFWAY D & DOIG A	357.0	0.06		21.4		21.4	8.4	13.0
FIELD TOTAL	1 952.0			97.1		97.1	50.0	47.1
POUCE COUPE SOUTH 078-12W6								
BOUNDARY B TOTAL	9 078.0			1 016.0	740.0	1 756.0	703.1	1 052.9
PRIMARY AREA	2 343.0	0.11		258.0		258.0		
WATER FLOOD AREA	6 735.0	<0.12	0.11	758.0	740.0	1 498.0		
BOUNDARY C	133.0	0.10		13.3		13.3	13.0	0.3
BOUNDARY D	67.8	<0.03		1.5		1.5	1.5	
BOUNDARY E	113.0	0.10		11.3		11.3	6.5	4.8
BOUNDARY F	125.0	0.10		12.5		12.5	5.4	7.1
BOUNDARY H	204.0	0.20		40.8		40.8	32.2	8.6
BOUNDARY I	246.0	0.10		24.6		24.6	13.1	11.5
BOUNDARY J	123.0	0.10		12.3		12.3	0.4	11.9
BDY A & CH LK B	2 950.0			295.0	170.0	465.0	214.3	250.7
TOTAL								
PRIMARY AREA	1 952.0	0.10		195.0		195.0		
WATER FLOOD AREA	998.0	0.10	0.17	99.8	170.0	270.0		
HALFWAY C	452.0	0.15		67.8		67.8	12.4	55.4
DOIG C	219.0	0.10		21.9		21.9	5.4	16.5
FIELD TOTAL	13 710.8			1 517.0	910.0	2 427.0	1 007.3	1 419.7
PREVO 039-01W5								
VIKING A	180.0	0.20		36.0		36.0	32.5	3.5
VIKING B	64.5	0.20		12.9		12.9	9.9	3.0
VIKING D	56.8	0.25		14.2		14.2	11.6	2.6
VIKING E	24.4	0.15		3.7		3.7	3.1	0.6
VIKING G	64.6	<0.07		4.2		4.2	4.2	
UPPER MANNVILLE B	1 200.0	0.15		180.0		180.0	77.7	102.3
UPPER MANNVILLE E	810.0	0.10		81.0		81.0	37.0	44.0
UPPER MANNVILLE H	270.0	0.02		5.4		5.4	0.7	4.7
UPPER MANNVILLE I	260.0	0.02		5.2		5.2	1.1	4.1
LOWER MANNVILLE D	37.7	0.10		3.8		3.8	3.0	0.8
LOWER MANNVILLE E	154.0	0.10		15.4		15.4	2.5	12.9
LOWER MANNVILLE G	142.0	0.20		28.4		28.4	20.8	7.6

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
4 160	2.24	0.110	0.15	0.70	167	805	68	21 745	1 976.2	1974	91 12
64	1.20	0.050	0.15	0.70	150	824	64	22 654	2 037.2	1980	81 09 - GPP
960	1.37	0.070	0.34	0.64	185	793	86	22 082	2 134.0	1981	89 03 - GPP
1 066	10.00	0.042	0.10	0.71	127	815	77	27 188	2 263.7	1973	79 01
32	6.50	0.200	0.35	0.71	140	833	63	24 033	1 878.5	1981	91 02 - GPP
64	15.00	0.042	0.10	0.71	123	839	79	27 286	2 051.7	1987	88 02 - GPP
64	20.00	0.042	0.10	0.70	127	817	77	16 341	2 010.5	1988	90 11 - GPP
64	5.23	0.063	0.15	0.63	204	801	107	32 010	3 304.2	1959	76 05 - ABAND 79 08
128	15.40	0.070	0.19	0.80	78	806	68	20 480	1 868.7	1975	88 11 - GPP
64	1.20	0.170	0.40	0.90	38	856	33	4 741	645.4	1982	83 07
64	3.10	0.150	0.49	0.75	95	826	70	12 976	1 596.6	1984	85 03
64	4.00	0.080	0.14	0.75	100	855	60	10 905	1 598.0	1982	85 11 - ABAND 90 02
65	3.54	0.098	0.15	0.80	85	855	70	16 200	1 688.6	1975	78 09
64	4.80	0.101	0.50	0.80	74	840	55	16 652	1 688.0	1980	82 06
583	3.33	0.100	0.31	0.80	74	840	56	15 695	1 638.8	1983	91 05 - GPP
32	16.46	0.110	0.21	0.78	75	847	60	14 360	1 593.4	1985	91 07 - GPP
3 648	2.57	0.130	0.17	0.75	128	826	75	16 720	1 862.8	1980	91 11
1 127	3.15	0.130	0.13	0.75	76	834	70	16 633	1 832.6	1973	82 12 - GPP
2 521	1.80	0.170	0.14	0.79	76	834	70	16 695	1 819.4	1973	89 12
64	1.30	0.120	0.14	0.79	82	834	60	16 370	1 776.1	1981	83 01 - GPP
64	3.40	0.090	0.27	0.79	70	847	70	16 572	1 795.9	1984	84 11 - GPP
64	2.70	0.110	0.18	0.80	110	813	75	15 078	1 787.3	1982	87 12 - GPP
128	2.15	0.130	0.16	0.68	16	856	67	14 533	1 843.1	1983	84 01 - GPP
64	4.00	0.120	0.13	0.92	128	816	75	16 932	1 839.0	1988	91 12
64	1.87	0.170	0.16	0.72	93	834	70	16 408	1 780.7	1970	85 12
720	3.53	0.120	0.19	0.79	117	818	68	17 700	1 956.6	1988	- GPP
390	2.77	0.136	0.14	0.79	100	866	59	20 105	2 001.0	1985	89 09
64	13.93	0.094	0.30	0.77	117	818	68	17 700	1 956.6	1988	86 05
64	4.50	0.130	0.22	0.75	100	866	59	20 105	2 001.0	1985	86 05
465	0.69	0.090	0.25	0.83	58	827	58	9 634	1 697.7	1984	90 12 - GPP
128	1.35	0.060	0.25	0.83	58	827	58	9 470	1 810.1	1984	87 11 - GPP
64	1.50	0.095	0.25	0.83	58	814	58	8 853	1 730.4	1986	87 10 - GPP
64	0.80	0.080	0.30	0.85	58	831	59	9 804	1 671.3	1985	88 12
128	1.35	0.060	0.25	0.83	58	827	58	9 438	1 805.5	1984	87 11 - ABAND 91 10
168	8.80	0.130	0.21	0.79	90	897	65	15 786	1 841.0	1985	89 11
121	8.19	0.150	0.31	0.79	90	886	66	15 699	1 916.9	1990	92 08 - GPP
64	9.52	0.110	0.49	0.79	90	886	66	13 963	1 952.6	1991	92 08 - GPP
64	7.19	0.110	0.35	0.79	90	886	66	15 788	1 920.1	1991	92 08 - GPP
64	1.10	0.100	0.37	0.85	57	887	50	15 561	1 832.9	1987	88 06 - GPP
64	4.00	0.110	0.31	0.79	88	891	70	15 790	1 933.0	1988	89 01 - GPP
64	3.20	0.120	0.27	0.79	90	897	66	13 482	1 825.8	1985	91 12 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
PREVD 039-01W5 (CONTINUED) PEKISKO A	170.0	0.10		17.0		17.0	7.5	9.5
FIELD TOTAL	3 434.0			407.2		407.2	211.6	195.6
PROGRESS 077-09W6 DOE CREEK A	7 000.0	0.05		350.0		350.0	191.3	158.7
CHARLIE LAKE A	87.7	<0.01		0.1		0.1	0.1	
CHARLIE LAKE B	14.5	0.10		1.5		1.5	0.6	0.9
CHARLIE LAKE C	164.0	0.05		8.2		8.2	1.6	6.6
CHARLIE LAKE E	122.0	<0.01		0.3		0.3	0.3	
CHARLIE LAKE F	92.9	<0.02		1.4		1.4	1.4	
CHARLIE LAKE G	1 250.0	0.10		125.0		125.0	39.2	85.8
CHARLIE LAKE I	196.0	0.10		19.6		19.6	8.4	11.2
CHARLIE LAKE J	138.0	<0.02		1.6		1.6	1.6	
CHARLIE LAKE K	176.0	0.10		17.6		17.6	5.0	12.6
CHARLIE LAKE L	269.0	<0.01		0.5		0.5	0.5	
CHARLIE LAKE M	111.0	0.10		11.1		11.1	2.0	9.1
BOUNDARY A	19.4	0.03		0.6		0.6	0.6	
BOUNDARY B	553.0	0.25		138.0		138.0	18.6	119.4
HALFWAY B	6 311.0	0.10		631.0		631.0	305.3	325.7
HALFWAY C	405.0	0.10		40.5		40.5	0.6	39.9
HALFWAY E	350.0	0.15		52.5		52.5	45.5	7.0
HALFWAY H	71.5	0.15		10.7		10.7	0.4	10.3
HALFWAY I	74.7	0.15		11.2		11.2	2.7	8.5
HALFWAY J	500.0	0.20		100.0		100.0	46.2	53.8
HALFWAY K	320.0	0.10		32.0		32.0	0.1	31.9
HALFWAY M	182.0	0.04		7.3		7.3	4.0	3.3
HALFWAY O	1 600.0	0.20	0.16	320.0	256.0	576.0	86.5	489.5
WATER FLOOD								
HALFWAY P	1 702.0	0.15	0.20	255.0	340.0	595.0	184.7	410.3
WATER FLOOD								
HALFWAY R	92.3	0.20		18.5		18.5	12.7	5.8
HALFWAY T	89.6	0.10		9.0		9.0	3.0	6.0
HALFWAY X	267.0	0.15		40.1		40.1	22.9	17.2
DOIG A	397.0	0.02		7.9		7.9	5.7	2.2
FIELD TOTAL	22 555.6			2 211.2	596.0	2 807.2	991.5	1 815.7
PROVOST 036-07W4 VIKING V	170.0	0.15		25.5		25.5	22.3	3.2
VIKING GG	106.0	<0.01		0.2		0.2	0.2	
VIKING RR	61.7	0.10		6.2		6.2	3.7	2.5
VIKING UU	13.9	<0.01		0.1		0.1	0.1	
VIKING & MANNVILLE	93 000.0			5 284.0	5 461.0	10 750.0	8 587.5	2 162.5
MU #1 TOTAL								
PRIMARY AREA	39 100.0	0.08		3 128.0		3 128.0		
WATER FLOOD AREA	53 900.0	0.04	0.10	2 156.0	5 461.0	7 617.0		
VIKING GGG	55.4	<0.01		0.1		0.1	0.1	
BLAIRMORE	2 630.0	0.30		789.0		789.0	397.6	391.4
BLAIRMORE B	4 627.0	0.35		1 619.0		1 619.0	1 140.2	478.8
MANNVILLE H	535.0	0.05		26.8		26.8	20.6	6.2
MANNVILLE L	4 291.0	0.30		1 287.0		1 287.0	251.7	1 035.3
MANNVILLE S	187.0	0.10		18.7		18.7	13.3	5.4
MANNVILLE T	190.0	0.02		3.8		3.8	2.5	1.3
MANNVILLE CC	204.0	<0.01		0.1		0.1	0.1	
DETRITAL A	193.0	0.10		19.3		19.3	6.7	12.6
D-1 A	20.7	<0.01		0.1		0.1	0.1	
D-2 A	119.0	<0.01		1.0		1.0	1.0	
FIELD TOTAL *	106 403.7			9 080.9	5 461.0	14 546.9	10 447.7	4 099.2
PUSKASKAU 074-01W6 D-2 A	124.0	0.25		31.0		31.0	12.4	18.6
D-3 A	459.0	0.12		55.1		55.1	51.2	3.9
D-3 B	131.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	714.0			86.5		86.5	64.0	22.5
QUEENSTOWN 019-22W4 GLAUCONITIC A	579.0	0.10		57.9		57.9	18.8	39.1
ELLERSLIE A	49.7	<0.01		0.1		0.1	0.1	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	3.20	0.125	0.20	0.83	65	931	73	11 063	2 008.4	1973	86 11 - GPP
2 227	1.85	0.236	0.25	0.96	12	836	25	1 689	321.0	1985	91 04
64	2.40	0.100	0.32	0.84	67	813	62	13 268	1 681.2	1982	83 08
64	0.70	0.070	0.40	0.77	80	850	60	12 935	1 667.1	1983	85 08 - GPP
210	1.60	0.113	0.44	0.77	80	850	60	12 893	1 663.8	1983	90 11 - GPP
64	3.70	0.100	0.33	0.77	64	835	54	13 407	1 642.2	1983	89 12 - ABAND 91 01
64	4.10	0.100	0.54	0.77	64	849	67	13 461	1 648.5	1982	91 10 - ABAND 90 07
320	4.23	0.150	0.20	0.77	80	836	60	14 172	1 654.0	1982	85 09
64	3.20	0.160	0.18	0.73	118	825	55	12 481	1 681.4	1982	86 02 - GPP
64	3.00	0.120	0.20	0.75	123	827	60	14 446	1 805.5	1985	92 10
65	2.80	0.170	0.14	0.66	150	813	62	18 632	1 827.0	1985	87 12 - GPP
64	3.50	0.180	0.11	0.75	96	825	54	14 050	1 648.3	1985	87 12 - ABAND 92 09
32	3.40	0.160	0.15	0.75	123	828	69	14 777	1 657.0	1990	91 10
64	0.60	0.080	0.21	0.80	68	840	72	15 591	1 826.0	1984	91 10 - ABAND 88 01
467	1.32	0.140	0.11	0.72	128	816	75	16 782	1 807.1	1991	92 11
896	13.63	0.100	0.32	0.76	112	844	70	17 555	1 909.4	1976	86 11 - GPP
64	11.43	0.091	0.20	0.76	112	840	70	16 514	1 906.8	1984	85 05
40	10.36	0.150	0.12	0.64	191	805	67	20 538	1 840.3	1981	90 07
64	3.00	0.070	0.30	0.76	120	836	60	20 317	1 743.6	1984	86 04 - GPP
64	1.90	0.150	0.37	0.65	185	812	60	16 501	1 730.8	1984	86 04 - GPP
131	4.98	0.140	0.26	0.74	126	821	60	16 653	1 729.1	1985	92 04
65	9.50	0.100	0.32	0.76	112	839	70	16 047	1 919.0	1985	86 08
64	3.87	0.148	0.32	0.73	185	820	58	17 029	1 763.5	1986	89 10 - GPP
448	4.01	0.160	0.13	0.64	191	801	67	20 582	1 776.0	1986	92 01
768	3.12	0.139	0.30	0.73	96	825	50	16 938	1 683.9	1987	91 03
71	2.40	0.090	0.14	0.70	129	824	41	17 223	1 695.5	1988	92 12 - GPP
64	2.20	0.140	0.41	0.77	117	818	68	16 545	1 751.2	1990	91 04
64	4.89	0.180	0.35	0.73	120	817	65	16 121	1 726.5	1985	92 03
32	21.90	0.090	0.16	0.75	94	830	70	16 908	1 892.2	1982	92 12 - GPP
80	1.80	0.220	0.43	0.94	24	851	32	5 830	832.0	1976	87 12 - GPP
64	2.20	0.160	0.50	0.94	23	858	32	6 009	842.5	1979	83 12 - GPP
64	1.20	0.190	0.55	0.94	20	868	31	5 587	825.7	1976	83 08 - GPP
64	0.70	0.060	0.45	0.94	22	851	38	5 447	808.9	1984	85 11 - ABAND 87 12
65 510					25	855	36	5 720	891.5	1946	86 12 - GPP
32 048	1.56	0.260	0.68	0.94							SW=(SW=.50 + SG=.18)=.68
33 462	1.36	0.252	0.50	0.94							SW=(SW=.37 + SG=.13)=.50
64	1.22	0.130	0.40	0.91	38	857	37	5 940	757.4	1978	78 11
516	2.70	0.270	0.24	0.92	28	892	33	6 068	873.4	1958	92 12 - GPP
605	3.77	0.260	0.17	0.94	27	892	33	6 340	946.2	1958	92 05 - GPP
129	2.44	0.290	0.35	0.90	25	887	27	6 170	817.4	1972	89 03 - GPP
600	3.76	0.260	0.23	0.95	21	900	28	5 990	827.8	1976	92 12 - GPP
23	5.13	0.260	0.35	0.94	25	910	37	5 740	785.0	1976	92 12 - GPP
64	3.23	0.200	0.49	0.90	35	876	30	6 095	877.4	1977	86 02 - GPP
64	2.54	0.220	0.40	0.95	18	881	30	7 216	851.8	1979	82 12
32	4.22	0.230	0.36	0.97	9	935	28	7 042	1 050.9	1988	89 04
64	2.20	0.030	0.45	0.89	41	903	41	7 908	1 016.2	1980	91 09 - ABAND 85 12
65	5.49	0.070	0.40	0.80	25	855	40		1 131.4	1973	76 12 - GPP
64	7.00	0.060	0.19	0.57	246	822	88	27 608	2 610.0	1983	90 11
100	14.10	0.070	0.17	0.56	247	825	82	28 498	2 684.4	1983	91 12 - GPP
64	8.00	0.052	0.22	0.63	212	801	80	28 702	2 722.7	1987	88 12 - ABAND 90 11
175	3.13	0.210	0.31	0.73	120	836	46	12 807	1 380.5	1990	91 11
64	2.00	0.090	0.48	0.83	83	838	45	13 503	1 463.2	1987	88 07 - ABAND 89 11

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
QUEENSTOWN 019-22W4 (CONTINUED)								
ELLERSLIE B	141.0	0.10		14.1		14.1	9.8	4.3
ELLERSLIE C	55.7	0.01		0.6		0.6	0.6	
ELLERSLIE D	94.2	0.10		9.4		9.4	2.7	6.7
FIELD TOTAL	919.6			82.1		82.1	32.0	50.1
RACOSTA 031-11W4								
VIKING A	94.3	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE A	276.0	0.03		8.3		8.3	1.4	6.9
UPPER MANNVILLE B	243.0	0.10		24.3		24.3	0.2	24.1
BASAL QUARTZ A	750.0	0.10		75.0		75.0	40.2	34.8
FIELD TOTAL	1 363.3			107.9		107.9	42.1	65.8
RAINBOW 109-05W6								
SLAVE POINT B	373.0	0.10		37.3		37.3	13.7	23.6
SULPHUR POINT B	4 001.0	0.12	0.08	480.0	320.0	800.0	359.7	440.3
WATER FLOOD								
SULPHUR POINT C	642.0	0.06		38.5		38.5	34.8	3.7
SULPHUR POINT E	127.0	<0.01		0.1		0.1	0.1	
SULPHUR POINT L	130.0	0.10		13.0		13.0	5.9	7.1
SULPHUR POINT O	602.0	<0.10		59.5		59.5	59.5	
SULPHUR POINT R	162.0	0.05		8.1		8.1	0.3	7.8
MUSKEG A	636.0	<0.08		45.3		45.3	45.3	
MUSKEG B	54.1	<0.13		6.7		6.7	6.7	
MUSKEG C WATER FLOOD	3 000.0	0.30	0.05	900.0	150.0	1 050.0	628.1	421.9
MUSKEG D	300.0	<0.02		5.9		5.9	5.9	
MUSKEG F	3 180.0	0.15		477.0		477.0	352.6	124.4
MUSKEG G	159.0	<0.04		5.5		5.5	5.5	
MUSKEG J	248.0	0.08		19.8		19.8	17.8	2.0
MUSKEG K WATER FLOOD	705.0	0.15	0.15	106.0	106.0	212.0	85.0	127.0
MUSKEG M	632.0	0.10		63.2		63.2	23.3	39.9
MUSKEG N	900.0	0.20		180.0		180.0	96.8	83.2
MUSKEG O	6 278.0	0.13		816.0		816.0	331.6	484.4
MUSKEG P	135.0	0.15		20.3		20.3	7.3	13.0
MUSKEG R	52.5	<0.01		0.1		0.1	0.1	
MUSKEG S WATER FLOOD	2 000.0	0.20	0.15	400.0	300.0	700.0	380.0	320.0
MUSKEG T	493.0	0.15		74.0		74.0	37.1	36.9
MUSKEG Y	455.0	0.08		36.4		36.4	20.2	16.2
MUSKEG Z	124.0	0.15		18.6		18.6	2.1	16.5
MUSKEG AA	48.3	0.20		9.7		9.7	7.1	2.6
MUSKEG BB	197.0	0.15		29.6		29.6	18.5	11.1
MUSKEG CC	114.0	<0.03		2.3		2.3	2.3	
MUSKEG EE	113.0	0.15		17.0		17.0	5.8	11.2
MUSKEG FF	127.0	0.05		6.4		6.4	1.4	5.0
MUSKEG GG	46.2	0.15		6.9		6.9	6.0	0.9
MUSKEG HH	44.8	0.30		13.4		13.4	4.0	9.4
MUSKEG JJ	33.3	0.15		5.0		5.0	0.7	4.3
MUSKEG LL	171.0	0.20		34.2		34.2		34.2
MUSKEG II & KEG RIVER K	2 200.0	0.35		770.0		770.0	696.6	73.4
KEG RIVER A	14 320.0	0.50	0.38	7 160.0	5 430.0	12 590.0	9 671.0	2 919.0
SOLVENT FLOOD								
KEG RIVER B	43 000.0	0.40	0.32	17 200.0	13 600.0	30 800.0	20 801.7	9 998.3
SOLVENT FLOOD								
KEG RIVER D	1 130.0	0.40	0.25	452.0	283.0	735.0	637.0	98.0
SOLVENT FLOOD								
KEG RIVER E	3 450.0	0.35	0.40	1 208.0	1 380.0	2 588.0	2 251.9	336.1
SOLVENT FLOOD								
KEG RIVER F	31 800.0	0.53	0.07	16 850.0	2 226.0	19 080.0	16 911.0	2 169.0
WATER FLOOD								
KEG RIVER G	2 380.0	0.40	0.45	952.0	1 071.0	2 023.0	1 758.8	264.2
SOLVENT FLOOD								
KEG RIVER H	2 345.0	0.40	0.35	938.0	821.0	1 759.0	1 577.8	181.2
SOLVENT FLOOD								
KEG RIVER I	5 500.0	0.37	0.18	2 035.0	990.0	3 025.0	2 740.7	284.3
WATER FLOOD								
KEG RIVER M	477.0	0.32		153.0		153.0	131.6	21.4
KEG RIVER N	2 300.0	0.30	0.13	690.0	310.0	1 000.0	977.7	22.3
GAS FLOOD								

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	2.15	0.160	0.20	0.80	80	861	45	12 153	1 388.0	1963	79 12 - GPP
64	0.80	0.200	0.36	0.85	59	877	41	12 654	1 452.5	1989	89 09 - ABAND 90 03
32	3.00	0.190	0.37	0.82	79	861	45	13 061	1 437.8	1976	92 05
64	2.47	0.134	0.50	0.89	37	852	27	7 795	895.1	1980	84 12 - ABAND 83 08
64	4.50	0.180	0.38	0.86	55	871	39	5 707	1 048.4	1981	89 12 - GPP
64	4.00	0.180	0.38	0.85	64	871	38	7 442	1 048.2	1978	86 07 - GPP
256	2.53	0.240	0.44	0.86	65	868	36	8 755	1 079.1	1979	82 09 - GPP
64	9.80	0.110	0.40	0.90	45	854	40	12 550	1 241.6	1970	84 03 - GPP
733	10.83	0.091	0.22	0.71	101	834	72	14 730	1 543.5	1967	92 06
192	5.37	0.100	0.18	0.76	121	839	68	15 355	1 595.4	1965	87 09 - GPP
65	6.10	0.055	0.25	0.78	89	849	74	14 560	1 636.5	1967	71 03
65	5.79	0.080	0.45	0.79	75	844	94	15 310	1 671.8	1969	78 01 - GPP
41	17.37	0.112	0.09	0.83	65	839	81	16 980	1 739.3	1967	89 12 - ABAND 87 09
64	6.00	0.065	0.21	0.82	76	838	68	15 388	1 618.3	1989	90 12 - GPP
119	7.22	0.097	0.08	0.83	56	844	86	15 440	1 762.7	1966	88 12 - ABAND 86 09
16	11.43	0.050	0.20	0.74	107	820	82	15 500	1 659.9	1966	76 12 - GPP
450	11.60	0.089	0.15	0.76	92	834	84	16 580	1 580.1	1967	89 05 - GPP
81	9.14	0.060	0.10	0.75	105	834	77	14 586	1 625.5	1967	84 12 - GPP
970	9.14	0.057	0.15	0.74	103	825	88	15 480	1 639.5	1965	76 08 - GPP
81	5.76	0.050	0.15	0.80	56	834	86	14 550	1 604.2	1967	79 04 - ABAND 79 04
81	6.10	0.080	0.15	0.74	108	825	88	16 045	1 727.0	1973	90 07 - GPP
87	13.40	0.080	0.10	0.84	129	884	82	16 984	1 717.1	1977	90 02 - GPP
128	15.80	0.050	0.20	0.78	87	845	84	15 333	1 799.0	1982	89 09
187	11.01	0.065	0.17	0.81	62	834	86	15 000	1 864.0	1982	91 12
704	17.47	0.075	0.17	0.82	57	835	80	18 618	1 838.3	1968	85 05 - GPP
64	5.80	0.060	0.20	0.76	85	828	84	16 304	1 804.0	1965	84 08 - GPP
64	3.00	0.060	0.40	0.76	95	838	85	14 670	1 621.5	1984	88 12 - GPP
189	14.00	0.100	0.10	0.84	50	829	82	17 683	1 777.9	1967	88 04 - GPP
103	11.86	0.060	0.20	0.84	56	833	81	20 690	1 866.7	1968	87 12 - GPP
150	6.03	0.073	0.16	0.82	60	835	80	20 994	1 775.5	1984	92 11 - GPP
32	7.70	0.076	0.12	0.75	99	825	88	17 002	1 728.5	1970	90 03 - GPP
16	10.20	0.050	0.27	0.81	62	840	86	9 377	1 837.4	1986	92 12 - GPP
64	6.70	0.070	0.16	0.78	140	840	87	16 929	1 761.0	1984	92 08 - GPP
64	4.90	0.060	0.12	0.69	129	840	82	20 776	1 723.0	1983	92 10
64	7.30	0.045	0.22	0.69	129	856	82	16 327	1 752.8	1987	87 12 - GPP
32	7.00	0.090	0.16	0.75	99	825	88	15 083	1 804.8	1989	92 08
16	5.00	0.100	0.22	0.74	107	821	82	14 060	1 669.6	1967	92 09
32	3.25	0.070	0.24	0.81	62	834	86	15 542	1 830.3	1985	91 12
64	1.00	0.080	0.12	0.74	107	821	82	15 568	1 785.3	1983	92 03
64	7.50	0.060	0.22	0.76	94	832	84	17 530	1 637.3	1983	92 05
511	26.21	0.030	0.26	0.74	106	815	88	15 855	1 786.7	1966	92 03 - GPP
253	90.22	0.101	0.10	0.69	141	811	84	18 090	1 944.9	1965	70 02 - GPP
1 090	69.12	0.080	0.13	0.82	62	834	85	17 170	1 820.0	1965	84 07 - GPP
34	46.32	0.100	0.08	0.78	77	825	82	17 780	1 923.3	1966	87 04 - GPP
55	79.83	0.117	0.08	0.73	95	829	83	17 130	1 808.4	1966	91 12 - GPP
1 644	73.30	0.045	0.15	0.69	135	815	85	17 480	1 855.6	1966	75 05 - GPP
65	69.09	0.080	0.08	0.72	85	829	83	17 860	1 874.8	1966	92 12 - GPP
19	178.39	0.094	0.08	0.80	78	829	84	20 350	1 893.1	1966	83 04 - GPP
241	68.76	0.055	0.15	0.71	122	820	79	16 450	1 739.2	1966	91 09
106	16.40	0.047	0.22	0.75	106	797	84	15 620	1 680.1	1966	92 12 - GPP
422	25.51	0.037	0.25	0.77	87	815	84	15 860	1 839.8	1966	87 11 - GPP

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3	
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3			
RAINBOW 109-05W6 (CONTINUED)									
KEG RIVER O SOLVENT FLOOD	6 200.0	0.40	0.40	2 480.0	2 480.0	4 960.0	4 001.6	958.4	
KEG RIVER P	795.0	0.22		175.0		175.0	164.5	10.5	
KEG RIVER Q	382.0	0.25		95.5		95.5	25.8	69.7	
KEG RIVER R	70.2	<0.06		3.9		3.9	3.9		
KEG RIVER S	2 110.0	0.38		802.0		802.0	686.1	115.9	
KEG RIVER T SOLVENT FLOOD	3 500.0	0.35	0.20	1 225.0	700.0	1 925.0	1 859.9	65.1	
KEG RIVER U	3 250.0	0.35		1 138.0		1 138.0	870.0	268.0	
KEG RIVER V	41.9	<0.01		0.4		0.4	0.4		
KEG RIVER W	343.0	0.15		51.5		51.5	30.4	21.1	
KEG RIVER X	636.0	0.50		318.0		318.0	281.3	36.7	
KEG RIVER Y	28.5	<0.06		1.5		1.5	1.5		
KEG RIVER Z SOLVENT FLOOD	3 500.0	0.32	0.28	1 120.0	980.0	2 100.0	1 374.2	725.8	
KEG RIVER AA SOLVENT FLOOD	11 000.0	0.45	0.25	4 950.0	2 750.0	7 700.0	7 097.7	602.3	
KEG RIVER DD	585.0	0.20		117.0		117.0	90.7	26.3	
KEG RIVER EE WATER FLOOD	2 780.0	0.35	0.23	973.0	639.0	1 612.0	1 498.2	113.8	
KEG RIVER FF SOLVENT FLOOD	2 500.0	0.42	0.31	1 050.0	775.0	1 825.0	1 410.3	414.7	
KEG RIVER GG	1 786.0	0.60		1 072.0		1 072.0	819.5	252.5	
KEG RIVER HH	186.0	<0.02		3.2		3.2	3.2		
KEG RIVER II SOLVENT FLOOD	3 800.0	0.45	0.20	1 710.0	760.0	2 470.0	1 921.9	548.1	
KEG RIVER JJ WATER FLOOD	1 360.0	0.27	0.12	367.0	163.0	530.0	508.7	21.3	
KEG RIVER KK WATER FLOOD	787.0	0.20	0.10	157.0	78.7	236.0	208.8	27.2	
KEG RIVER LL	1 590.0	0.25		398.0		398.0	290.5	107.5	
KEG RIVER MM	1 840.0	0.25		460.0		460.0	298.9	161.1	
KEG RIVER NN	679.0	0.20		136.0		136.0	110.8	25.2	
KEG RIVER OO WATER FLOOD	2 840.0	0.40	0.10	1 136.0	284.0	1 420.0	1 012.5	407.5	
KEG RIVER PP TOTAL	953.0			334.0	44.2	378.0	297.7	80.3	
PRIMARY AREA	400.0	0.20		80.0		80.0			
WATER FLOOD AREA	553.0	0.46	0.08	254.0	44.2	298.0			
KEG RIVER QQ WATER FLOOD	1 210.0	0.35	0.18	423.0	218.0	641.0	416.9	224.1	
KEG RIVER RR WATER FLOOD	413.0	0.40	0.13	165.0	53.7	219.0	203.9	15.1	
KEG RIVER SS	477.0	0.20		95.4		95.4	52.5	42.9	
KEG RIVER TT	41.0	<0.02		0.5		0.5	0.5		
KEG RIVER VV WATER FLOOD	319.0	0.36	0.11	115.0	35.1	150.0	133.4	16.6	
KEG RIVER WW	479.0	0.20		95.8		95.8	61.4	34.4	
KEG RIVER XX	183.0	<0.15		27.3		27.3	27.3		
KEG RIVER ZZ	300.0	0.40		120.0		120.0	114.4	5.6	
KEG RIVER BBB	600.0	0.16		96.0		96.0	92.0	4.0	
KEG RIVER CCC	556.0	0.35		195.0		195.0	152.8	42.2	
KEG RIVER DDD WATER FLOOD	700.0	0.23	0.07	161.0	49.0	210.0	168.5	41.5	
KEG RIVER EEE SOLVENT FLOOD	1 580.0	<0.40	0.07	630.0	120.0	750.0	742.0	8.0	
KEG RIVER GGG	512.0	0.40		205.0		205.0	67.9	137.1	
KEG RIVER HHH	254.0	0.15		38.1		38.1	25.1	13.0	
KEG RIVER JJJ	300.0	0.30		90.0		90.0	31.5	58.5	
KEG RIVER KKK	159.0	0.35		55.6		55.6	33.3	22.3	
KEG RIVER LLL	378.0	<0.10		36.0		36.0	36.0		
KEG RIVER MMM	159.0	<0.02		2.1		2.1	2.1		
KEG RIVER NNN	92.9	<0.02		1.0		1.0	1.0		
KEG RIVER OOO WATER FLOOD	234.0	0.20	0.09	46.8	21.1	67.9	67.5	0.4	
KEG RIVER QOO	1 301.0	0.20		260.0		260.0	234.9	25.1	
KEG RIVER SSS	195.0	0.30		58.6		58.6	50.3	8.3	
KEG RIVER TTT	497.0	0.35		174.0		174.0	130.7	43.3	
KEG RIVER UUU	111.0	0.30		33.4		33.4	24.9	8.5	
KEG RIVER VVV	137.0	0.10		13.7		13.7	8.3	5.4	
KEG RIVER WWW	377.0	<0.04		11.8		11.8	11.8		
KEG RIVER XXX	58.4	0.05		2.9		2.9	2.9		

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
281	61.26	0.060	0.13	0.69	135	815	84	16 550	1 845.0	1966	68 02 - GPP
40	34.12	0.085	0.11	0.77	88	834	83	16 730	1 875.7	1967	86 12 - GPP
64	18.87	0.073	0.15	0.51	295	765	82	16 870	1 791.9	1967	88 10
20	12.19	0.045	0.20	0.80	76	855	87	15 550	1 727.3	1967	78 10 - ABAND 80 10
342	17.75	0.055	0.19	0.78	87	825	85	15 480	1 734.9	1966	84 12 - GPP
90	63.44	0.086	0.12	0.81	78	844	86	16 690	1 769.4	1967	92 05 - GPP
234	34.88	0.060	0.16	0.79	79	844	88	15 560	1 738.0	1966	92 09
32	5.49	0.048	0.29	0.70	99	844	87	14 960	1 502.4	1966	68 05 - ABAND 91 01
38	21.95	0.066	0.19	0.77	93	811	77	15 780	1 864.5	1967	81 12 - GPP
68	17.31	0.090	0.13	0.69	131	815	87	15 510	1 624.9	1966	81 07
64	5.79	0.020	0.45	0.70	126	820	87	15 200	1 561.5	1966	88 12
181	45.86	0.076	0.27	0.76	86	834	86	15 580	1 595.6	1967	92 05 - GPP
291	68.59	0.086	0.11	0.72	92	829	84	16 090	1 684.0	1967	88 11 - GPP
134	18.42	0.040	0.25	0.79	80	820	87	15 840	1 797.7	1967	92 11 - GPP
148	45.04	0.063	0.14	0.77	88	834	86	15 170	1 686.5	1967	84 12 - GPP
92	46.13	0.085	0.10	0.77	86	839	87	15 820	1 716.6	1967	87 08 - GPP
400	22.55	0.033	0.20	0.75	81	784	93	15 890	1 714.2	1966	92 09 - GPP
16	42.06	0.046	0.25	0.80	85	820	84	17 930	1 881.5	1967	89 12 - ABAND 90 03
104	56.90	0.100	0.12	0.73	85	820	89	17 440	1 812.0	1967	91 11 - GPP
51	48.41	0.085	0.10	0.72	110	815	90	16 990	1 817.5	1967	92 12 - GPP
154	22.41	0.040	0.25	0.76	74	779	94	16 290	1 741.9	1967	90 12 - GPP
304	35.92	0.026	0.30	0.80	68	797	86	15 480	1 603.0	1967	88 12
518	25.13	0.027	0.32	0.77	81	855	84	15 070	1 679.5	1967	92 06 - GPP
166	13.01	0.053	0.23	0.77	70	806	86	15 310	1 612.8	1967	91 12 - GPP
421	18.99	0.057	0.18	0.76	92	825	85	15 310	1 642.2	1967	89 04 - GPP
128					106	784	94	15 490	1 668.5	1967	89 12
64	32.90	0.033	0.20	0.72							- GPP
64	39.46	0.038	0.20	0.72							- GPP
112	39.46	0.045	0.21	0.77	94	839	85	15 240	1 673.0	1967	69 07 - GPP
39	24.40	0.070	0.15	0.73	98	779	93	16 000	1 739.2	1968	84 12 - GPP
47	28.65	0.054	0.20	0.82	57	834	87	15 240	1 710.8	1968	89 12 - GPP
36	10.15	0.023	0.35	0.75	108	797	83	15 530	1 670.6	1966	77 09 - ABAND 78 09
71	22.00	0.040	0.25	0.68	74	834	73	16 130	1 750.5	1968	83 12 - GPP
50	58.49	0.030	0.30	0.78	81	849	82	15 170	1 509.9	1968	84 12 - GPP
39	19.04	0.040	0.20	0.77	75	825	84	15 480	1 747.4	1968	91 12 - ABAND 91 03
45	27.43	0.040	0.22	0.78	84	834	87	15 070	1 513.3	1968	84 12 - GPP
106	30.25	0.032	0.24	0.77	95	839	82	15 720	1 574.3	1968	91 12 - GPP
41	40.39	0.050	0.15	0.79	89	839	80	15 860	1 562.7	1968	70 02 - GPP
50	40.63	0.054	0.15	0.75	55	834	87	15 200	1 574.6	1968	90 12 - GPP
21	75.40	0.147	0.07	0.73	95	839	86	14 490	1 855.3	1968	90 10 - GPP
154	14.39	0.040	0.25	0.77	85	834	82	15 030	1 509.2	1968	91 06 - GPP
303	9.69	0.018	0.40	0.80	68	797	84	15 490	1 590.1	1967	82 12 - GPP
41	48.40	0.025	0.27	0.83	68	839	86	15 110	1 527.1	1969	88 06 - GPP
11	40.84	0.053	0.15	0.79	82	834	88	15 700	1 892.8	1969	75 04 - GPP
69	35.84	0.025	0.27	0.84	55	844	87	15 110	1 523.4	1969	92 10
12	30.99	0.066	0.18	0.79	66	834	86	15 400	1 875.7	1969	92 10
16	33.83	0.033	0.35	0.80	67	839	79	15 240	1 604.5	1969	89 12 - ABAND 91 01
81	9.91	0.045	0.20	0.81	64	811	97	15 860	1 748.9	1970	89 12 - GPP
285	13.80	0.053	0.22	0.80	55	811	90	15 280	1 609.6	1968	91 12 - GPP
65	10.06	0.047	0.16	0.76	101	825	84	15 360	1 687.7	1972	73 12 - GPP
64	21.03	0.060	0.20	0.77	89	811	88	15 720	1 861.4	1973	92 12
31	12.41	0.048	0.20	0.76	92	815	83	15 479	1 688.0	1974	75 10 - GPP
65	8.75	0.043	0.27	0.77	85	834	89	14 580	1 491.4	1970	85 04 - GPP
32	54.00	0.040	0.30	0.78	81	810	87	14 866	1 579.0	1980	89 12 - GPP
16	12.00	0.050	0.20	0.76	104	815	72	13 823	1 539.0	1982	82 07 - ABAND 91 02

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	
RAINBOW 109-05W6 (CONTINUED)									
KEG RIVER YYY	140.0	0.20		28.0		28.0	14.3	13.7	
KEG RIVER ZZZ	51.1	<0.03		1.1		1.1	1.1		
KEG RIVER A2A	80.7	<0.13		10.0		10.0	10.0		
KEG RIVER B2B	132.0	<0.02		1.4		1.4	1.4		
KEG RIVER C2C	2 540.0	<0.41	0.13	1 020.0	330.0	1 350.0	802.8	547.2	
WATER FLOOD									
KEG RIVER D2D	90.0	0.15		13.5		13.5	3.4	10.1	
KEG RIVER E2E	70.2	<0.02		0.9		0.9	0.9		
KEG RIVER F2F	26.9	<0.14		3.7		3.7	3.7		
KEG RIVER G2G	32.4	0.01		0.3		0.3	0.3		
KEG RIVER H2H	200.0	0.35	0.04	70.0	8.0	78.0	61.4	16.6	
GAS FLOOD									
KEG RIVER I2I	147.0	0.25		36.8		36.8	27.3	9.5	
KEG RIVER J2J	36.6	<0.01		0.1		0.1	0.1		
KEG RIVER K2K	180.0	<0.05		8.1		8.1	8.1		
KEG RIVER L2L	56.8	<0.01		0.2		0.2	0.2		
KEG RIVER M2M	200.0	0.15		30.0		30.0	2.9	27.1	
KEG RIVER N2N	139.0	0.20		27.8		27.8	11.5	16.3	
KEG RIVER O2O	1 300.0	0.35		455.0		455.0	287.5	167.5	
KEG RIVER P2P	112.0	<0.02		1.9		1.9	1.9		
KEG RIVER Q2Q	280.0	0.30		84.0		84.0	31.7	52.3	
KEG RIVER R2R	20.8	<0.05		0.9		0.9	0.9		
KEG RIVER S2S	322.0	0.10		32.2		32.2	11.8	20.4	
KEG RIVER T2T	63.8	<0.02		0.8		0.8	0.8		
KEG RIVER U2U	99.3	0.20		19.9		19.9	10.0	9.9	
KEG RIVER V2V	158.0	0.25		39.5		39.5	8.6	30.9	
KEG RIVER W2W	47.7	0.01		0.5		0.5	0.5		
KEG RIVER X2X	22.2	0.30		6.7		6.7	5.2	1.5	
KEG RIVER Y2Y	1 000.0	0.40		400.0		400.0	261.6	138.4	
KEG RIVER Z2Z	650.0	0.40		260.0		260.0	171.1	88.9	
KEG RIVER B3B	864.0	0.30		259.0		259.0	138.2	120.8	
KEG RIVER C3C	54.0	0.30		16.2		16.2	5.4	10.8	
KEG RIVER D3D	354.0	0.10		35.4		35.4	3.5	31.9	
KEG RIVER E3E	161.0	<0.01		1.4		1.4	1.4		
KEG RIVER F3F	38.0	<0.03		1.1		1.1	1.1		
KEG RIVER G3G	128.0	0.35		44.8		44.8	4.3	40.5	
KEG RIVER H3H	84.2	0.03		2.5		2.5	1.6	0.9	
KEG RIVER I3I	500.0	0.10		50.0		50.0	13.2	36.8	
KEG RIVER J3J	77.9	0.05		3.9		3.9	1.2	2.7	
KEG RIVER K3K	100.0	0.02		2.0		2.0	0.8	1.2	
KEG RIVER L3L	77.0	0.10		7.7		7.7	2.3	5.4	
KEG RIVER M3M	245.0	0.25		61.3		61.3	0.1	61.2	
KEG RIVER N3N	64.0	0.30		19.2		19.2	12.0	7.2	
KEG RIVER O3O	135.0	0.05		6.8		6.8	3.7	3.1	
KEG RIVER P3P	98.0	0.35		34.3		34.3	9.7	24.6	
KEG RIVER Q3Q	167.0	0.30		50.1		50.1	11.3	38.8	
KEG RIVER R3R	95.7	0.15		14.4		14.4	9.8	4.6	
KEG RIVER S3S	235.0	0.30		70.5		70.5	6.0	64.5	
FIELD TOTAL	212 027.4			79 004.7	37 475.8	116 484.8	90 450.4	26 034.4	
RAINBOW SOUTH 107-09W6									
SULPHUR POINT B	23.8	<0.05		1.0		1.0	1.0		
MUSKEG A	37.0	0.30		11.1		11.1	9.0	2.1	
MUSKEG B	596.0	0.10		59.6		59.6	35.1	24.5	
MUSKEG C	157.0	0.17		26.7		26.7	19.7	7.0	
MUSKEG D	157.0	<0.08		11.1		11.1	11.1		
MUSKEG F	112.0	<0.01		0.2		0.2	0.2		
MUSKEG G	600.0	0.20		120.0		120.0	63.9	56.1	
MUSKEG H WATER FLOOD	3 200.0	0.15	0.15	480.0	480.0	960.0	214.0	746.0	
MUSKEG J	107.0	<0.07		7.0		7.0	7.0		
MUSKEG K	533.0	0.15		80.0		80.0	62.6	17.4	
MUSKEG L	130.0	<0.03		3.0		3.0	3.0		
MUSKEG O	1 250.0	0.07		87.5		87.5	39.4	48.1	
MUSKEG P	2 501.0	0.15		375.0		375.0	158.0	217.0	
MUSKEG S	288.0	0.10		28.8		28.8	24.1	4.7	
MUSKEG U	517.0	0.20		103.0		103.0	28.0	75.0	
MUSKEG V	307.0	0.15		46.1		46.1	2.6	43.5	
KEG RIVER A WATER FLOOD	5 720.0	0.24	0.08	1 373.0	457.0	1 830.0	1 731.8	98.2	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
45	50.00	0.020	0.60	0.78	81	783	93	12 801	1 614.5	1982	83 12 - GPP
16	15.00	0.040	0.28	0.74	105	803	45	14 540	1 584.4	1983	84 05 - ABAND 89 03
16	11.50	0.060	0.13	0.84	100	824	86	15 395	1 692.8	1984	84 06 - ABAND 88 09
64	19.76	0.020	0.32	0.76	69	834	88	14 770	1 680.3	1982	88 12
71	74.15	0.080	0.10	0.67	140	815	84	20 460	1 906.2	1966	76 06 - GPP
11	57.54	0.030	0.40	0.79	54	823	82	14 816	1 572.8	1985	86 06
64	19.00	0.015	0.45	0.70	112	800	100	17 040	1 946.5	1985	87 12
16	16.50	0.020	0.37	0.81	54	820	94	14 057	1 638.8	1985	86 03 - ABAND 90 12
16	31.00	0.013	0.38	0.81	64	820	65	12 880	1 621.5	1985	89 12 - ABAND 91 01
57	9.70	0.060	0.12	0.68	143	817	87	16 244	1 776.7	1968	92 06 - GPP
64	17.40	0.020	0.24	0.87	41	831	75	14 854	1 596.6	1985	86 03
16	34.00	0.016	0.50	0.84	53	820	81	13 706	1 527.0	1985	88 12 - ABAND 90 03
50	12.24	0.053	0.27	0.76	70	818	88	14 819	1 634.6	1985	92 10 - ABAND 91 11
16	10.50	0.051	0.15	0.78	81	828	84	11 600	1 503.3	1986	86 06 - ABAND 88 02
49	37.12	0.021	0.32	0.77	93	812	84	14 633	1 864.8	1985	87 07
64	26.40	0.020	0.45	0.75	86	786	90	13 811	1 764.7	1984	90 10 - GPP
48	88.30	0.048	0.17	0.77	143	790	87	16 526	1 911.5	1986	87 12
64	23.00	0.019	0.40	0.67	143	780	87	14 847	1 836.5	1986	89 12
64	12.00	0.055	0.16	0.79	108	817	87	14 502	1 684.0	1986	91 12
32	11.00	0.011	0.33	0.80	55	760	90	15 081	1 650.5	1986	89 12 - ABAND 91 01
64	14.00	0.057	0.18	0.77	85	846	81	16 348	1 793.8	1968	92 12 - GPP
16	57.00	0.016	0.44	0.78	81	843	84	13 706	1 525.5	1986	91 10 - ABAND 90 03
16	40.50	0.025	0.27	0.84	53	848	81	12 795	1 516.3	1986	91 12 - GPP
64	59.00	0.010	0.45	0.76	91	837	87	15 083	1 599.0	1986	87 07
16	36.00	0.017	0.35	0.75	85	835	82	14 090	1 516.0	1986	89 12 - ABAND 90 12
16	32.60	0.012	0.50	0.71	180	757	95	16 845	1 859.5	1987	90 05
39	64.71	0.063	0.15	0.74	90	821	88	16 795	1 827.0	1987	91 09 - GPP
39	66.40	0.042	0.17	0.72	112	810	90	15 898	1 841.8	1987	91 09 - GPP
192	26.90	0.031	0.30	0.77	98	817	88	15 522	1 844.0	1987	88 10 - GPP
64	18.00	0.010	0.30	0.67	143	761	75	16 587	1 831.0	1987	88 01 - GPP
16	56.00	0.072	0.18	0.67	143	817	87	16 754	1 843.0	1987	92 11
18	57.94	0.036	0.36	0.67	120	793	90	15 086	1 832.8	1987	92 10
16	23.30	0.017	0.24	0.79	64	803	97	16 291	1 750.4	1988	91 10 - ABAND 90 12
64	11.00	0.030	0.20	0.76	71	776	97	13 966	1 687.0	1988	88 10 - GPP
16	56.00	0.017	0.30	0.79	54	810	82	15 152	1 601.0	1988	91 12 - GPP
39	36.20	0.070	0.17	0.61	143	817	87	16 907	1 862.2	1988	90 10 - GPP
16	32.00	0.030	0.35	0.78	70	793	87	13 655	1 631.0	1986	89 04 - GPP
64	19.30	0.018	0.43	0.79	76	829	87		1 871.6	1988	91 12
16	29.00	0.030	0.30	0.79	76	829	87	15 540	1 856.5	1988	89 05 - GPP
64	21.50	0.030	0.23	0.77	87	768	87	14 826	1 571.3	1987	89 12
32	12.95	0.030	0.34	0.78	87	814	84	15 177	1 788.5	1989	91 01
16	69.00	0.030	0.40	0.68	149	816	78	16 028	1 887.5	1990	92 12 - GPP
32	71.96	0.010	0.44	0.76	91	837	87	14 995	1 705.9	1990	90 12
32	34.50	0.030	0.28	0.70	131	800	91	13 818	1 620.8	1990	91 03
16	14.00	0.070	0.14	0.71	108	784	94	15 288	1 753.5	1990	92 12 - GPP
32	58.30	0.040	0.63	0.85	41	835	84	15 199	1 540.0	1991	91 12
11	3.04	0.120	0.14	0.69	154	829	60	19 600	1 814.8	1968	78 09
5	18.07	0.080	0.20	0.64	180	811	88	19 997	1 893.4	1965	92 12
168	4.73	0.120	0.12	0.71	121	825	84	16 220	1 830.3	1966	91 09
16	16.75	0.090	0.13	0.75	160	820	89	17 462	1 925.2	1967	92 09
32	9.54	0.080	0.15	0.75	107	820	82	17 750	1 925.4	1968	88 12 - ABAND 88 08
16	16.70	0.080	0.25	0.70	124	825	72	17 360	1 903.0	1968	78 04 - ABAND 79 10
63	19.78	0.080	0.14	0.70	160	825	90	13 472	1 911.1	1978	86 09
348	16.35	0.080	0.11	0.79	89	820	77	17 350	1 856.8	1967	92 02 - GPP
32	8.00	0.070	0.12	0.68	130	802	78	17 326	1 906.5	1979	83 05 - ABAND 85 12
153	7.00	0.084	0.13	0.68	160	789	90	17 551	1 922.0	1978	87 02 - GPP
24	11.80	0.080	0.10	0.64	160	790	90	18 003	2 010.1	1983	85 04 - ABAND 88 03
300	10.03	0.070	0.14	0.69	190	807	84	19 111	1 830.2	1984	88 09 - GPP
439	12.13	0.069	0.17	0.82	57	838	81	17 000	1 828.2	1984	91 12
64	6.50	0.120	0.10	0.64	160	789	90	18 950	1 930.5	1984	89 10
64	14.32	0.098	0.10	0.64	160	758	90	15 094	1 864.8	1967	89 05
64	10.40	0.080	0.10	0.64	160	789	90	17 467	1 848.0	1968	91 09 - GPP
167	65.17	0.097	0.14	0.63	176	801	81	18 600	1 945.2	1965	91 12 - GPP

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	
RAINBOW SOUTH 107-09W6 (CONTINUED)									
KEG RIVER B SOLVENT FLOOD	6 520.0	0.45	0.20	2 934.0	1 304.0	4 238.0	3 832.5	405.5	
KEG RIVER C	2 250.0	0.50		1 125.0		1 125.0	715.3	409.7	
KEG RIVER D	207.0	0.30		62.1		62.1	41.9	20.2	
KEG RIVER E WATER FLOOD	7 150.0	0.50	0.06	3 575.0	429.0	4 004.0	2 471.1	1 532.9	
KEG RIVER F WATER FLOOD	855.0	0.27	0.14	235.0	120.0	355.0	223.2	131.8	
KEG RIVER G WATER FLOOD	3 185.0	0.28	0.09	892.0	286.0	1 178.0	1 100.5	77.5	
KEG RIVER J	514.0	0.20		103.0		103.0	83.3	19.7	
KEG RIVER K	173.0	0.45		77.8		77.8	67.9	9.9	
KEG RIVER L	95.2	<0.28		26.3		26.3	26.3		
KEG RIVER M	95.3	0.35		33.4		33.4	7.6	25.8	
KEG RIVER N	3 000.0	0.10		300.0		300.0	267.9	32.1	
KEG RIVER P	340.0	0.45		153.0		153.0	118.8	34.2	
KEG RIVER S	584.0	0.45		263.0		263.0	211.0	52.0	
KEG RIVER V	72.0	0.30		21.6		21.6	15.6	6.0	
KEG RIVER X	185.0	<0.01		1.2		1.2	1.2		
FIELD TOTAL	41 461.3			12 615.5	3 076.0	15 691.5	11 594.6	4 096.9	
RANDELL 077-11W5									
SLAVE POINT A	204.0	0.05		10.2		10.2	4.6	5.6	
GILWOOD A	72.9	0.30		21.9		21.9	6.8	15.1	
GILWOOD C	30.2	<0.08		2.4		2.4	2.4		
FIELD TOTAL	307.1			34.5		34.5	13.8	20.7	
RED COULEE 001-17W4									
MOULTON A WATER FLOOD	270.0	0.14	0.09	37.8	24.3	62.1	58.7	3.4	
MOULTON B TOTAL	993.0			61.9	96.1	158.0	156.2	1.8	
PRIMARY AREA	119.0	0.08		9.5		9.5			
WATER FLOOD AREA	874.0	0.06	0.11	52.4	96.1	149.0			
MOULTON C WATER FLOOD	540.0	0.23	0.13	124.0	70.2	194.0	193.5	0.5	
SUNBURST A	301.0	0.04		12.0		12.0	11.4	0.6	
SUNBURST B	445.0	0.11		48.9		48.9	48.1	0.8	
FIELD TOTAL *	2 549.0			284.6	190.6	475.0	467.9	7.1	
RED EARTH 088-08W5									
SLAVE POINT C	240.0	0.15		36.0		36.0	35.9	0.1	
SLAVE POINT E	6 200.0	0.05		310.0		310.0	248.0	62.0	
SLAVE POINT F	119.0	0.12		14.3		14.3	12.5	1.8	
SLAVE POINT G	137.0	0.15		20.6		20.6	14.8	5.8	
SLAVE POINT S	794.0	0.05		39.7		39.7	19.8	19.9	
SLAVE POINT U	357.0	0.10		35.7		35.7	25.2	10.5	
SLAVE POINT V	884.0	0.10		88.4		88.4	41.2	47.2	
SLAVE POINT W	153.0	0.05		7.7		7.7	3.7	4.0	
SLAVE POINT X	229.0	<0.01		0.1		0.1	0.1		
SLAVE POINT Y	124.0	0.05		6.2		6.2	0.9	5.3	
SLAVE POINT Z	49.0	<0.03		1.1		1.1	1.1		
SLAVE POINT AA	74.0	<0.01		0.6		0.6	0.6		
SLAVE POINT BB	229.0	0.05		11.5		11.5	6.0	5.5	
SLAVE POINT CC	116.0	<0.01		0.1		0.1	0.1		
SLAVE POINT DD	31.8	<0.01		0.1		0.1	0.1		
SLAVE POINT EE	76.5	0.10		7.6		7.6	1.0	6.6	
SLAVE POINT FF	81.4	0.10		8.1		8.1	0.4	7.7	
SLAVE POINT A & GRAN WASH VV TOTAL	15 090.0			854.0	267.0	1 121.0	770.8	350.2	
PRIMARY AREA	9 635.0	<0.05		482.0		482.0			
WATER FLOOD AREA	5 453.0	0.06	0.04	372.0	267.0	639.0			
KEG RIVER B	21.5	<0.01		0.1		0.1	0.1		
GRANITE WASH A	14 400.0	0.30		4 320.0		4 320.0	3 314.2	1 005.8	
GRANITE WASH B	76.9	<0.11		8.2		8.2	8.2		
GRANITE WASH C	2 374.0	0.35		831.0		831.0	750.1	80.9	
GRANITE WASH D	254.0	<0.02		4.9		4.9	4.9		
GRANITE WASH E TOTAL	3 156.0			877.0	101.0	978.0	878.8	99.2	
PRIMARY AREA	1 140.0	0.15		171.0		171.0			

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
223	79.81	0.060	0.14	0.71	141	826	84	18 820	1 969.0	1966	89 12 - GPP
304	24.14	0.050	0.16	0.73	171	811	88	18 060	1 947.7	1966	86 06
101	18.35	0.028	0.30	0.57	225	775	92	18 620	1 943.1	1965	84 08 - GPP
177	92.73	0.075	0.12	0.66	159	806	90	18 930	1 964.1	1966	71 09 - GPP
40	43.10	0.100	0.13	0.57	249	797	88	22 328	1 903.8	1967	92 02 - GPP
85	72.48	0.088	0.11	0.66	160	806	88	18 510	1 917.8	1967	91 12 - GPP
30	19.47	0.138	0.15	0.75	101	801	92	17 830	1 941.6	1968	91 12 - GPP
77	10.70	0.036	0.22	0.75	101	788	95	18 030	1 975.7	1968	82 10 - GPP
20	13.56	0.057	0.20	0.77	88	797	98	18 290	1 971.6	1968	85 05 - ABAND 88 08
33	8.97	0.050	0.13	0.74	107	797	98	18 230	2 016.1	1968	88 09
172	36.55	0.073	0.14	0.76	159	796	69	18 170	1 983.6	1978	89 12 - GPP
56	25.00	0.040	0.19	0.75	105	801	90	17 582	1 927.3	1982	85 03
40	16.48	0.123	0.10	0.80	78	784	94	16 716	1 958.4	1984	91 12
16	16.00	0.044	0.16	0.76	101	810	92	17 024	1 937.0	1986	87 04 - GPP
64	13.00	0.040	0.16	0.66	159	809	88	17 338	1 947.5	1989	89 11
64	6.50	0.080	0.32	0.90	29	865	60	19 997	1 843.0	1983	89 12 - GPP
64	2.20	0.120	0.48	0.83	58	841	58	19 646	1 943.8	1985	92 01 - GPP
65	0.85	0.110	0.38	0.80	58	838	58	19 390	1 920.2	1967	75 12 - ABAND 71 02
97	2.53	0.180	0.33	0.91	30	825	27	4 900	799.5	1951	68 07 - GPP
97	5.55	0.187	0.26	0.96	21	825	27	4 840	785.5	1954	77 03 - GPP
16	8.12	0.187	0.26	0.96							
89	5.16	0.180	0.24	0.86	30	825	28	5 050	742.8	1965	85 12 - GPP
65	6.71	0.150	0.50	0.92	35	904	28	6 107	746.2	1930	87 12 - GPP
53	7.62	0.200	0.40	0.92	35	904	28	6 562	698.0	1929	76 12 - GPP
91	4.60	0.085	0.25	0.90	24	829	48	12 065	1 346.6	1967	82 12 - GPP
1 921	5.03	0.100	0.31	0.93	42	834	39	12 417	1 264.4	1966	90 07
65	3.35	0.076	0.20	0.90	43	829	82	13 180	1 325.3	1971	89 12 - GPP
65	3.35	0.100	0.30	0.90	43	829	43	13 310	1 328.3	1973	89 12 - GPP
397	3.56	0.094	0.35	0.92	21	821	39	8 827	1 354.0	1982	86 06 - GPP
64	12.00	0.100	0.50	0.93	25	826	41	10 328	1 255.0	1980	82 07 - GPP
192	11.30	0.066	0.35	0.95	49	828	37	6 249	1 220.3	1981	86 12 - GPP
64	5.52	0.062	0.25	0.93	19	825	39	12 403	1 262.5	1982	91 01 - GPP
64	7.00	0.110	0.49	0.91	32	832	38	11 702	1 209.3	1983	85 05 - ABAND 89 03
32	5.00	0.120	0.32	0.95	16	829	37	9 891	1 205.5	1985	91 12 - GPP
64	1.50	0.080	0.25	0.85	57	820	38	12 100	1 342.8	1984	92 10
64	2.91	0.084	0.45	0.86	21	830	39	11 740	1 313.7	1985	88 12 - ABAND 90 03
16	27.90	0.070	0.23	0.95	16	821	37	11 219	1 237.8	1988	88 10 - GPP
16	9.30	0.100	0.15	0.92	25	822	39	11 748	1 347.7	1968	91 10 - ABAND 90 10
32	2.43	0.080	0.45	0.93	19	824	39	11 996	1 296.5	1966	91 10 - ABAND 90 10
32	5.80	0.070	0.36	0.92	25	822	39	11 297	1 305.5	1983	91 11 - GPP
32	4.00	0.090	0.24	0.93	19	824	39	9 194	1 322.0	1987	92 01
4 510					21	820	48	14 478	1 310.2	1957	92 04 - GPP
2 986	5.14	0.090	0.25	0.93							
1 524	5.70	0.090	0.25	0.93							
64	0.40	0.145	0.32	0.85	56	828	40	14 384	1 511.5	1988	91 10 - ABAND 89 03
3 776	3.72	0.149	0.20	0.86	56	825	42	16 130	1 433.8	1958	75 12 - GPP
65	1.83	0.094	0.20	0.86	56	825	43	15 820	1 438.4	1965	87 12 - GPP
832	3.00	0.140	0.21	0.86	56	825	42	16 000	1 460.9	1956	86 09 - GPP
64	5.15	0.150	0.41	0.87	48	825	42	15 966	1 470.5	1957	86 08 - ABAND 88 08
1 031					56	825	42	15 380	1 492.0	1959	92 12 - GPP
536	3.13	0.123	0.35	0.85							

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3	
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3			
RED EARTH 088-08W5 (CONTINUED)									
WATER FLOOD AREA	2 016.0	0.35	0.05	706.0	101.0	807.0			
GRANITE WASH F	353.0	0.03		10.6		10.6	5.8		4.8
GRANITE WASH I	136.0	<0.06		8.1		8.1	8.1		
GRANITE WASH J	533.0	0.10		53.3		53.3	41.4		11.9
GRANITE WASH K	316.0	0.12		37.9		37.9	34.0		3.9
GRANITE WASH L	427.0	<0.02		8.0		8.0	8.0		
GRANITE WASH M	45.6	0.15		6.8		6.8	4.8		2.0
GRANITE WASH N	68.7	<0.17		11.4		11.4	11.4		
GRANITE WASH O	109.0	0.04		4.4		4.4	4.4		
GRANITE WASH P	132.0	0.15		19.8		19.8	11.9		7.9
GRANITE WASH Q	92.5	<0.02		1.5		1.5	1.5		
GRANITE WASH R	231.0	<0.01		0.1		0.1	0.1		
GRANITE WASH S	159.0	<0.01		0.3		0.3	0.3		
GRANITE WASH V	186.0	0.10		18.6		18.6	14.0		4.6
GRANITE WASH CC	55.7	<0.02		0.8		0.8	0.8		
GRANITE WASH DD	372.0	0.25		93.0		93.0	39.8		53.2
GRANITE WASH EE	531.0	0.05		26.6		26.6	5.1		21.5
GRANITE WASH HH	779.0	0.05		39.0		39.0	23.2		15.8
GRANITE WASH KK	86.2	<0.01		0.1		0.1	0.1		
GRANITE WASH LL	250.0	0.20		50.0		50.0	8.9		41.1
GRANITE WASH NN	410.0	0.03		12.3		12.3	5.9		6.4
GRANITE WASH OO	238.0	0.20		47.6		47.6	33.5		14.1
GRANITE WASH PP	188.0	0.20		37.6		37.6	9.7		27.9
GRANITE WASH QO	32.7	<0.15		4.6		4.6	4.6		
GRANITE WASH RR	526.0	0.20		105.0		105.0	63.7		41.3
GRANITE WASH SS	38.3	0.10		3.8		3.8	0.6		3.2
GRANITE WASH TT	357.0	<0.01		0.6		0.6	0.6		
GRANITE WASH UU	176.0	0.20		35.2		35.2	20.8		14.4
GRANITE WASH XX	258.0	0.25		64.5		64.5	42.7		21.8
GRANITE WASH YY	188.0	<0.01		0.1		0.1	0.1		
GRANITE WASH ZZ	354.0	<0.01		2.2		2.2	2.2		
GRANITE WASH AAA	39.5	0.20		7.9		7.9	2.4		5.5
GRANITE WASH BBB	78.3	<0.01		0.1		0.1	0.1		
GRANITE WASH CCC	244.0	0.20		48.8		48.8	22.3		26.5
GRANITE WASH DDD	120.0	<0.16		18.4		18.4	18.4		
GRANITE WASH EEE	248.0	0.20		49.6		49.6	15.7		33.9
GRANITE WASH FFF	188.0	0.25		47.0		47.0	32.5		14.5
GRANITE WASH GGG	79.4	<0.01		0.1		0.1	0.1		
GRANITE WASH HHH	695.0	<0.03		16.8		16.8	16.8		
GRANITE WASH III	580.0	0.15		87.0		87.0	49.4		37.6
GRANITE WASH KKK	284.0	<0.03		6.9		6.9	6.9		
GRANITE WASH LLL	152.0	<0.02		1.7		1.7	1.7		
GRANITE WASH MMM	740.0	0.30		222.0		222.0	202.3		19.7
GRANITE WASH NNN	232.0	<0.01		0.5		0.5	0.5		
GRANITE WASH OOO	89.0	<0.01		0.5		0.5	0.5		
GRANITE WASH PPP	339.0	0.20		67.8		67.8	7.2		60.6
GRANITE WASH QOO	155.0	<0.03		3.8		3.8	3.8		
GRANITE WASH RRR	231.0	<0.04		7.6		7.6	7.6		
GRANITE WASH SSS	200.0	0.25		50.0		50.0	13.2		36.8
GRANITE WASH TTT	174.0	<0.03		4.6		4.6	4.6		
GRANITE WASH UUU	111.0	0.20		22.2		22.2	13.3		8.9
GRANITE WASH VVV	106.0	0.15		15.9		15.9	10.2		5.7
GRANITE WASH WWW	222.0	0.15		33.3		33.3	5.5		27.8
GRANITE WASH XXX	180.0	0.10		18.0		18.0	0.9		17.1
GRANITE WASH YYY	66.5	0.15		10.0		10.0	9.2		0.8
GRANITE WASH ZZZ	454.0	0.15		68.1		68.1	28.6		39.5
GRANITE WASH A2A	80.4	<0.02		0.9		0.9	0.9		
GRANITE WASH B2B	40.9	0.20		8.2		8.2	1.1		7.1
GRANITE WASH C2C	193.0	0.15		29.0		29.0	4.2		24.8
GRANITE WASH D2D	63.6	0.25		15.9		15.9	4.5		11.4
GRANITE WASH E2E	132.0	0.20		26.4		26.4	0.6		25.8
GRANITE WASH F2F	109.0	0.25		27.3		27.3	6.4		20.9
GRANITE WASH G2G	321.0	0.25		80.3		80.3	19.0		61.3
GRANITE WASH H2H	44.8	<0.04		1.4		1.4	1.4		
GRANITE WASH I2I	115.0	0.20		23.0		23.0	8.5		14.5
GRANITE WASH J2J	147.0	0.15		22.1		22.1	0.4		21.7
GRANITE WASH K2K	83.0	0.10		8.3		8.3	2.9		5.4
GRANITE WASH L2L	204.0	0.25		51.0		51.0	9.7		41.3
GRANITE WASH M2M	172.0	0.25		43.0		43.0	10.3		32.7
GRANITE WASH N2N	57.5	0.25		14.4		14.4	1.7		12.7
GRANITE WASH O2O	256.0	0.25		64.0		64.0	17.9		46.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
495	5.76	0.130	0.36	0.85							
188	2.39	0.130	0.29	0.85	64	826	42	15 850	1 501.4	1964	90 12 - GPP
65	2.74	0.119	0.25	0.86	56	825	43	15 960	1 512.0	1958	74 12 - GPP
256	3.60	0.120	0.44	0.86	56	825	53	15 122	1 503.0	1967	86 06 - GPP
64	5.36	0.134	0.20	0.86	56	825	42	15 960	1 516.0	1968	90 12 - GPP
129	3.96	0.126	0.23	0.86	56	834	52	15 450	1 520.0	1958	84 03 - ABAND 89 06
65	0.91	0.112	0.20	0.86	56	829	52	15 440	1 469.7	1970	91 05 - GPP
65	1.28	0.120	0.20	0.86	60	834	48	15 620	1 506.6	1969	76 12 - GPP
16	5.49	0.180	0.20	0.86	57	829	42	15 250	1 435.6	1973	92 12 - GPP
64	2.00	0.150	0.20	0.86	56	832	42	17 740	1 466.0	1979	79 12 - GPP
64	2.00	0.120	0.30	0.86	56	834	72	14 756	1 473.5	1979	83 12 - GPP
64	3.50	0.150	0.20	0.86	56	825	56	15 089	1 415.7	1980	81 12 - ABAND 81 01
64	3.20	0.180	0.50	0.86	56	825	48	15 277	1 438.9	1980	81 12 - ABAND 81 01
32	6.10	0.140	0.20	0.85	64	829	42	15 083	1 493.0	1982	90 12 - GPP
64	1.50	0.110	0.38	0.85	64	831	42	15 148	1 519.3	1982	84 03 - ABAND 89 02
64	6.94	0.130	0.25	0.86	56	823	42	9 550	1 464.9	1983	91 12 - GPP
64	6.70	0.180	0.20	0.86	48	845	49	15 737	1 443.3	1981	87 12 - GPP
256	3.37	0.140	0.25	0.86	56	834	42	14 921	1 490.2	1982	89 12 - GPP
64	1.71	0.157	0.41	0.85	64	852	42	14 360	1 418.8	1984	85 03 - ABAND 86 01
64	5.50	0.150	0.45	0.86	56	843	48	8 185	1 493.9	1985	85 05 - GPP
128	3.70	0.140	0.28	0.86	56	830	42	15 008	1 453.9	1984	89 12 - GPP
64	3.94	0.203	0.46	0.86	48	825	42	14 740	1 435.1	1985	91 12 - GPP
64	3.59	0.170	0.44	0.86	50	842	40	15 726	1 398.1	1984	85 08 - GPP
80	0.58	0.132	0.38	0.86	54	835	36	15 616	1 413.9	1984	87 12 - ABAND 91 02
96	5.41	0.166	0.29	0.86	56	828	42	14 101	1 479.3	1985	86 06 - GPP
64	1.39	0.091	0.45	0.86	47	826	46	15 274	1 489.7	1984	91 01 - GPP
64	4.50	0.180	0.19	0.85	64	826	42	14 894	1 510.3	1985	85 12 - ABAND 89 07
81	3.50	0.120	0.40	0.86	53	836	36	15 389	1 410.4	1985	90 12 - GPP
64	4.50	0.160	0.35	0.86	56	823	41	14 915	1 467.6	1985	86 03 - GPP
64	6.00	0.100	0.43	0.86	56	801	44	15 120	1 517.9	1985	86 11 - GPP
64	4.50	0.210	0.32	0.86	52	833	38	15 689	1 435.0	1985	89 12 - ABAND 91 02
32	2.10	0.122	0.44	0.86	56	830	42	14 600	1 480.6	1985	86 05 - GPP
64	3.20	0.090	0.50	0.85	64	826	42	14 240	1 506.2	1986	86 11 - GPP
96	3.02	0.140	0.30	0.86	56	823	42	15 422	1 466.6	1986	86 09 - GPP
64	3.00	0.119	0.39	0.86	56	825	42	15 443	1 495.4	1968	86 06 - ABAND 88 07
64	4.53	0.140	0.29	0.86	56	834	42	14 516	1 455.9	1985	86 08 - GPP
128	2.76	0.110	0.43	0.85	56	834	42	13 823	1 484.7	1984	88 03 - GPP
64	2.20	0.080	0.18	0.86	56	834	42	14 397	1 502.9	1982	86 08 - GPP
128	5.64	0.140	0.20	0.86	56	834	42	14 102	1 476.5	1983	92 09 - ABAND 92 07
96	5.64	0.160	0.23	0.87	48	825	42	14 346	1 472.1	1983	86 08 - GPP
64	4.30	0.150	0.20	0.86	56	834	42	14 605	1 487.7	1980	86 08 - ABAND 90 10
64	2.30	0.150	0.20	0.86	56	834	42	15 043	1 491.5	1983	86 08 - ABAND 88 10
150	5.40	0.150	0.30	0.87	48	825	42	15 896	1 450.3	1957	91 12 - GPP
64	4.50	0.117	0.20	0.86	56	825	42	14 720	1 518.1	1969	86 09 - ABAND 70 12
64	1.39	0.194	0.40	0.86	70	835	40	7 240	1 415.1	1986	86 10 - ABAND 91 02
128	2.83	0.160	0.32	0.86	50	828	45	15 907	1 514.8	1987	89 01 - GPP
64	2.75	0.167	0.38	0.85	45	831	34	15 657	1 441.9	1987	87 12 - ABAND 91 02
64	3.60	0.160	0.27	0.86	53	833	36	15 259	1 419.6	1985	92 06 - ABAND 92 03
64	3.50	0.160	0.35	0.86	64	852	42	14 839	1 515.5	1987	88 04 - GPP
64	4.48	0.143	0.50	0.85	57	828	38	15 586	1 427.8	1986	88 04 - ABAND 91 02
64	2.30	0.130	0.32	0.85	64	852	42	15 266	1 486.0	1988	88 06 - GPP
64	2.74	0.140	0.49	0.85	64	852	42	15 274	1 513.0	1987	88 08 - GPP
64	3.30	0.165	0.25	0.85	64	852	42	14 693	1 503.8	1988	88 08 - GPP
64	3.00	0.170	0.35	0.85	64	852	42	13 999	1 496.5	1988	88 08 - GPP
64	1.29	0.148	0.36	0.85	48	829	42	16 057	1 504.0	1986	87 04 - GPP
64	7.50	0.180	0.30	0.75	51	777	49	15 353	1 509.1	1985	91 12 - GPP
64	1.60	0.165	0.44	0.85	64	852	42	14 570	1 472.1	1988	92 10 - GPP
64	1.00	0.120	0.38	0.86	56	835	56	15 256	1 489.1	1988	88 12 - GPP
64	3.90	0.140	0.35	0.85	64	852	42	14 985	1 494.9	1988	88 12 - GPP
64	1.50	0.140	0.45	0.86	56	835	42	15 246	1 511.0	1988	88 12 - GPP
64	2.50	0.160	0.40	0.86	56	835	42	14 774	1 476.8	1988	88 12 - GPP
64	2.40	0.150	0.45	0.86	56	835	42	15 921	1 507.6	1988	89 01 - GPP
128	2.21	0.176	0.25	0.86	56	835	42	14 845	1 471.2	1988	89 01 - GPP
16	3.90	0.130	0.35	0.85	64	852	42	14 409	1 482.0	1988	92 09 - ABAND 92 07
64	2.50	0.160	0.47	0.85	64	852	43	14 104	1 502.5	1988	89 02 - GPP
64	2.60	0.160	0.35	0.85	64	852	42	15 470	1 503.8	1988	89 02 - GPP
64	1.85	0.150	0.45	0.85	64	852	42	13 960	1 437.5	1966	89 02 - GPP
64	3.98	0.150	0.38	0.86	56	835	42	14 786	1 473.1	1988	89 03 - GPP
64	2.95	0.160	0.34	0.86	56	835	42	14 663	1 498.0	1988	89 03 - GPP
64	1.20	0.150	0.42	0.86	56	835	42	13 900	1 488.0	1988	89 03 - GPP
64	4.67	0.170	0.42	0.87	48	825	42	14 054	1 432.3	1988	89 05 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
RED EARTH 088-08W5 (CONTINUED)								
GRANITE WASH P2P	57.0	<0.01		0.5		0.5	0.5	
GRANITE WASH 020	102.0	<0.01		0.1		0.1		0.1
GRANITE WASH R2R	249.0	0.25		62.3		62.3	11.8	50.5
GRANITE WASH S2S	20.0	0.20		4.0		4.0	1.0	3.0
GRANITE WASH U2U	172.0	<0.02		2.2		2.2	2.2	
FIELD TOTAL	61 522.7			9 479.7	368.0	9 847.7	7 125.2	2 722.5
RED ROCK 063-08W6								
CHINOOK A	57.3	<0.01		0.4		0.4	0.4	
CHINOOK G	3 687.0	0.10		369.0		369.0	170.6	198.4
CHINOOK H	120.0	0.10		12.0		12.0	2.8	9.2
FIELD TOTAL	3 864.3			381.4		381.4	173.8	207.6
RED WILLOW 039-16W4								
GLAUCONITIC A	228.0	<0.02		4.5		4.5	4.5	
GLAUCONITIC B	105.0	<0.01		0.2		0.2	0.2	
GLAUCONITIC D	170.0	0.10		17.0		17.0	2.4	14.6
GLAUCONITIC E	223.0	0.05		11.2		11.2	6.5	4.7
LOWER MANNVILLE K	561.0	0.05		28.1		28.1	6.9	21.2
LOWER MANNVILLE L	94.4	0.10		9.4		9.4	0.3	9.1
CAMROSE A	119.0	<0.17		19.2		19.2	19.2	
CAMROSE B	195.0	<0.06		11.1		11.1	11.1	
CAMROSE C	250.0	0.12		30.0		30.0	19.4	10.6
CAMROSE D	67.2	<0.01		0.1		0.1	0.1	
CAMROSE E	96.1	0.10		9.6		9.6	5.1	4.5
CAMROSE F	21.7	0.20		4.3		4.3	1.9	2.4
CAMROSE G	107.0	<0.20		20.7		20.7	20.7	
D-3 A	326.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	2 563.4			165.7		165.7	98.6	67.1
REDFISH 092-08W5								
KEG RIVER A	109.0	0.15		16.4		16.4	0.4	16.0
FIELD TOTAL	109.0			16.4		16.4	0.4	16.0
REDLAND 027-23W4								
LOWER MANNVILLE B	98.2	0.20		19.6		19.6	18.7	0.9
FIELD TOTAL	98.2			19.6		19.6	18.7	0.9
REDWATER 057-21W4								
UPPER VIKING G	225.0	<0.01		0.1		0.1	0.1	
UP-MID-LOW VIKING A	3 707.0	0.10		371.0		371.0	252.9	118.1
LOWER VIKING B	4 336.0	0.05		217.0		217.0	192.4	24.6
LOWER VIKING H	360.0	0.10		36.0		36.0	33.7	2.3
LOWER VIKING O	520.0	0.05		26.0		26.0	4.0	22.0
LOWER VIKING S	874.0	0.05		93.7		93.7	26.7	67.0
UPPER MANNVILLE E	270.0	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE E	253.0	0.15		38.0		38.0	38.0	
BASAL MANNVILLE F	161.0	0.20		32.2		32.2	22.5	9.7
BASAL MANNVILLE H	977.0	0.06		119.0		119.0	93.2	25.8
BASAL MANNVILLE I	266.0	<0.01		1.4		1.4	1.4	
BASAL MANNVILLE J	203.0	0.15		30.5		30.5	20.7	9.8
BASAL MANNVILLE R	188.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE T	245.0	<0.01		0.2		0.2	0.2	
ELLERSLIE A	103.0	<0.01		0.1		0.1	0.1	
ELLERSLIE B	49.9	<0.02		0.8		0.8	0.8	
ELLERSLIE C	431.0	0.10		43.1		43.1	15.4	27.7
ELLERSLIE D	105.0	0.10		10.5		10.5	4.0	6.5
ELLERSLIE E	76.3	0.10		7.6		7.6		7.6
ELLERSLIE F	40.8	0.10		4.1		4.1		4.1
ELLERSLIE G	355.0	<0.06		20.6		20.6	20.6	
D-3	207 000.0	<0.62		28 000.0		28 000.0	127 344.0	686.0
FIELD TOTAL	222 746.0			29 052.4		29 052.4	28 041.2	1 011.2
RICH 034-21W4								
VIKING B	153.0	<0.01		0.1		0.1	0.1	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
32	2.10	0.150	0.35	0.87	48	825	42	14 141	1 510.3	1989	91 10 - ABAND 91 07
64	3.10	0.120	0.50	0.86	56	835	42	13 460	1 485.9	1989	89 10 - ABAND 92 02
64	4.30	0.160	0.35	0.87	39	822	41	15 598	1 440.2	1990	90 08
32	1.60	0.130	0.60	0.75	53	842	51	15 148	1 508.7	1991	91 12 - GPP
64	3.00	0.160	0.35	0.86	48	825	42	13 740	1 443.5	1982	90 12 - GPP
64	1.80	0.090	0.35	0.85	72	830	47	10 143	1 468.1	1979	85 07
2 135	3.43	0.116	0.38	0.70	133	827	46	10 355	1 533.5	1986	89 02
64	3.85	0.110	0.37	0.70	133	809	44	10 452	1 661.2	1987	88 08
64	3.00	0.220	0.35	0.83	71	868	39	8 697	1 132.0	1981	82 04 - ABAND 86 10
64	2.00	0.180	0.45	0.83	60	850	47	8 634	1 114.7	1981	82 10 - ABAND 90 10
32	4.30	0.220	0.34	0.85	64	852	48	8 154	1 140.4	1988	91 12 - GPP
64	3.00	0.180	0.30	0.92	35	875	34	8 194	1 146.0	1988	91 07 - GPP
128	3.75	0.200	0.27	0.80	90	850	38	8 435	1 146.6	1988	89 05 - GPP
64	1.40	0.200	0.38	0.85	64	852	48	8 197	1 153.3	1989	89 11 - GPP
29	9.56	0.053	0.10	0.90	56	890	48	9 730	1 335.8	1982	91 12 - ABAND 91 10
64	7.86	0.055	0.12	0.80	59	879	52	9 449	1 332.3	1983	91 10 - ABAND 90 07
64	8.30	0.084	0.30	0.80	50	900	38	9 078	1 230.6	1984	92 12 - GPP
64	3.75	0.050	0.30	0.80	55	900	38	9 084	1 225.6	1985	89 12
32	8.30	0.060	0.33	0.90	36	903	43	9 254	1 246.0	1985	86 10 - GPP
64	1.10	0.060	0.43	0.90	36	878	53	9 245	1 227.2	1990	90 09
26	10.40	0.058	0.24	0.90	52	887	49	9 680	1 344.2	1982	90 12 - ABAND 91 10
64	12.50	0.060	0.15	0.80	35	947	48	10 108	1 340.8	1981	84 12 - ABAND 84 07
64	5.40	0.055	0.35	0.88	47	829	40	14 328	1 274.7	1987	88 06
91	2.00	0.130	0.50	0.83	58	890	50	11 090	1 597.5	1982	89 12 - GPP
64	3.00	0.200	0.35	0.90	36	882	45	5 102	631.6	1976	83 12 - ABAND 85 02
1 635	2.26	0.190	0.40	0.88	28	800	27	5 030	649.9	1949	83 10 - GPP
1 778	2.63	0.180	0.44	0.92	35	865	28	5 772	680.5	1974	89 07 - GPP
268	1.14	0.220	0.42	0.92	37	847	31	4 605	647.5	1976	87 09 - GPP
256	2.40	0.180	0.49	0.92	30	872	28	5 594	715.7	1984	87 03 - GPP
640	3.98	0.160	0.50	0.92	30	844	28	5 841	658.4	1950	88 07 - GPP
64	3.00	0.260	0.40	0.90	44	885	30	5 996	754.5	1981	81 09 - GPP
108	1.83	0.200	0.20	0.80	55	843	41	6 640	1 022.0	1954	84 12 - GPP
64	1.40	0.250	0.20	0.90	35	860	38	6 590	1 014.3	1976	91 12 - GPP
416	3.55	0.240	0.40	0.93	46	925	30	5 962	854.0	1977	92 12 - GPP
64	5.50	0.210	0.60	0.90	50	925	43	6 171	854.3	1979	83 12 - ABAND 89 05
64	2.52	0.250	0.44	0.90	43	855	30	6 751	941.8	1979	92 09 - GPP
16	8.50	0.270	0.45	0.93	30	931	35	6 083	866.1	1980	84 12 - ABAND 82 06
32	4.20	0.270	0.25	0.90	33	923	48	6 122	848.9	1981	82 11 - GPP
16	3.00	0.300	0.23	0.93	26	948	34	5 712	832.1	1982	83 07 - ABAND 83 12
64	0.80	0.200	0.47	0.92	32	880	32	6 745	945.9	1984	85 03 - ABAND 88 06
200	2.00	0.210	0.43	0.90	35	855	35	6 692	1 014.1	1989	91 06 - GPP
32	1.90	0.270	0.29	0.90	38	921	32	5 242	818.6	1981	91 04 - GPP
16	2.50	0.270	0.24	0.93	31	945	31		826.3	1991	92 03 - GPP
16	2.33	0.240	0.43	0.80	27	952	30	5 705	822.5	1991	92 05 - GPP
65	4.27	0.200	0.20	0.80	55	850	41	6 517	1 021.7	1953	75 12 - ABAND 70 10
15 199	31.39	0.065	0.25	0.89	33	844	34	7 340	977.8	1948	72 02 - GPP
64	4.30	0.107	0.35	0.80	86	873	39	7 229	1 292.0	1986	86 12 - ABAND 86 12

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
RICH 034-21W4 (CONTINUED)								
VIKING C	333.0	0.10		33.3		33.3	3.2	30.1
D-2 A	200.0	0.20		40.0		40.0	28.5	11.5
D-3 A	333.0	0.45		600.0		600.0	590.9	9.1
WINNIPEGOSIS A	97.2	0.20		19.4		19.4	8.0	11.4
FIELD TOTAL	2 116.2			692.8		692.8	630.7	62.1
RICHDALE 030-13W4								
UPPER MANNVILLE F	216.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE G	675.0	0.10		67.5		67.5	43.3	24.2
UPPER MANNVILLE K	131.0	0.07		9.2		9.2	5.7	3.5
UPPER MANNVILLE L	867.0	0.07		60.7		60.7	28.3	32.4
UPPER MANNVILLE S	257.0	0.10		25.7		25.7	5.3	20.4
LOWER MANNVILLE F	116.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE O	122.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	2 384.0			163.7		163.7	83.2	80.5
RICINUS 034-08W5								
CARDIUM A TOTAL	11 740.0			2 403.0	278.0	2 681.0	1 990.3	690.7
PRIMARY AREA	4 602.0	0.35		1 611.0		1 611.0		
GAS FLOOD AREA	7 137.0	<0.12	0.03	792.0	278.0	1 070.0		
CARDIUM B	850.0	0.20		170.0		170.0	157.0	13.0
CARDIUM C	1 270.0	0.05		63.6		63.6	44.2	19.4
CARDIUM D	535.0	0.25		133.0		133.0	121.7	11.3
CARDIUM E	822.0	0.02		16.4		16.4	5.4	11.0
CARDIUM F	563.0	0.12		67.6		67.6	63.8	3.8
CARDIUM G	630.0	0.15		94.5		94.5	89.2	5.3
CARDIUM H	1 080.0	0.10		108.0		108.0	89.0	19.0
CARDIUM K	340.0	0.15		51.0		51.0	42.7	8.3
CARDIUM L	1 766.0	0.15		265.0		265.0	172.5	92.5
CARDIUM M	207.0	<0.06		11.3		11.3	11.3	
CARDIUM Q	4 850.0	0.15		728.0		728.0	548.5	179.5
CARDIUM S	1 406.0	0.05		70.3		70.3	48.7	21.6
CARDIUM V	2 153.0	0.10		215.0		215.0	159.4	55.6
CARDIUM W	2 997.0	0.15		450.0		450.0	299.8	150.2
CARDIUM Y	237.0	0.10		23.7		23.7	16.6	7.1
CARDIUM Z	450.0	0.03		13.5		13.5	9.6	3.9
CARDIUM AA	512.0	0.05		25.6		25.6	9.4	16.2
CARDIUM BB	327.0	<0.01		1.9		1.9	1.9	
CARDIUM CC	184.0	0.03		5.5		5.5	1.6	3.9
CARDIUM EE	820.0	0.08		65.6		65.6	38.7	26.9
CARDIUM FF	341.0	<0.03		7.5		7.5	2.7	4.8
CARDIUM GG	241.0	0.05		12.1		12.1	11.6	0.5
CARDIUM II	368.0	<0.01		0.1		0.1	0.1	
CARDIUM KK	250.0	0.12		30.0		30.0	28.1	1.9
CARDIUM MM	188.0	0.05		9.4		9.4	7.3	2.1
CARDIUM NN	1 516.0	0.05		75.8		75.8	18.5	57.3
CARDIUM OO	360.0	0.10		36.0		36.0	20.6	15.4
CARDIUM QQ	186.0	0.05		9.3		9.3	5.6	3.7
CARDIUM TT	1 800.0	0.12		216.0		216.0	139.6	76.4
CARDIUM UU	269.0	0.05		13.5		13.5	10.1	3.4
CARDIUM VV	159.0	0.10		15.9		15.9	6.3	9.6
CARDIUM WW	134.0	<0.01		0.4		0.4	0.4	
CARDIUM XX	600.0	0.05		30.0		30.0	25.2	4.8
CARDIUM ZZ	1 100.0	0.10		110.0		110.0	17.2	92.8
CARDIUM LL & RR	158.0	0.09		14.2		14.2	9.8	4.4
CARDIUM BBB	500.0	0.15		75.0		75.0	40.5	34.5
CARDIUM DDD	291.0	0.10		29.1		29.1	10.3	18.8
CARDIUM GGG	711.0	0.15		107.0		107.0	9.8	97.2
CARDIUM HHH	95.8	0.10		9.6		9.6	0.8	8.8
CARDIUM III	115.0	<0.01		0.7		0.7	0.7	
CARDIUM JJJ	185.0	0.20		37.0		37.0	11.5	25.5
CARDIUM KKK	261.0	0.15		39.2		39.2	37.9	1.3
CARDIUM MMM	1 100.0	0.15		165.0		165.0	140.2	24.8
CARDIUM OOO	39.6	0.10		4.0		4.0	0.5	3.5
CARDIUM PPP	200.0	0.05		10.0		10.0	9.9	0.1
CARDIUM RRR	400.0	0.05		20.0		20.0	12.5	7.5
CARDIUM SSS	180.0	0.10		18.0		18.0	10.4	7.6
FIELD TOTAL	45 487.4			6 077.3	278.0	6 355.3	4 509.4	1 845.9

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
128	3.60	0.140	0.40	0.86	46	860	40	6 413	1 193.9	1986	89 05
50	7.00	0.080	0.12	0.81	74	865	55	12 868	1 683.9	1983	89 12 - GPP
15	103.20	0.110	0.10	0.87	64	857	65	14 327	1 796.3	1982	88 12 - GPP
32	7.50	0.060	0.25	0.90	31	916	60	18 948	2 242.3	1986	87 04 - GPP
64	4.30	0.160	0.46	0.91	37	882	37	9 147	1 120.5	1981	85 12 - ABAND 89 05
221	3.71	0.190	0.49	0.85	63	852	39	8 135	1 112.5	1979	90 02
100	1.01	0.220	0.29	0.83	80	855	38	9 119	1 117.2	1971	92 12 - GPP
100	7.65	0.230	0.42	0.85	60	847	34	9 190	1 109.9	1983	91 12
64	6.24	0.180	0.58	0.85	63	824	37	9 330	1 115.9	1985	86 11 - GPP
64	1.83	0.170	0.35	0.89	44	865	35	9 410	1 150.6	1977	82 12 - ABAND 81 05
64	2.00	0.230	0.50	0.83	68	859	38	8 700	1 145.2	1981	88 12 - ABAND 83 02
1 489					226	806	83	27 280	2 748.5	1969	92 12
465	12.75	0.140	0.12	0.63							
1 024	8.98	0.140	0.12	0.63							- GPP
94	11.38	0.170	0.27	0.64	250	815	82	27 421	2 732.0	1969	86 12 - GPP
695	1.83	0.150	0.10	0.74	131	820	72	17 110	2 467.0	1969	75 08 - GPP
160	5.36	0.120	0.20	0.65	158	815	84	23 890	2 736.8	1969	89 09
444	3.05	0.134	0.13	0.52	323	801	78	26 930	2 650.5	1970	89 12 - GPP
32	20.28	0.135	0.12	0.73	130	788	54	13 900	1 810.5	1968	88 12 - GPP
97	10.10	0.110	0.14	0.68	144	811	71	20 860	2 310.1	1970	92 12
101	18.74	0.098	0.18	0.71	159	806	60	18 930	2 024.8	1970	88 03 - GPP
65	7.80	0.127	0.12	0.60	213	811	78	28 440	2 679.2	1969	85 12 - GPP
128	15.00	0.140	0.10	0.73	119	815	71	13 973	2 349.8	1972	92 09 - GPP
210	2.44	0.075	0.23	0.70	160	811	63	18 720	2 061.7	1971	76 12
706	8.81	0.120	0.11	0.73	113	815	75	15 896	2 511.2	1971	88 12 - GPP
128	12.40	0.134	0.13	0.76	230	806	70	15 501	2 371.7	1974	88 04 - GPP
192	15.10	0.110	0.10	0.75	131	811	49	13 604	2 105.7	1975	92 03
192	16.30	0.140	0.10	0.76	131	820	49	13 389	2 192.8	1974	92 02
128	4.45	0.100	0.34	0.63	186	829	66	26 028	2 761.3	1977	87 08 - GPP
128	4.88	0.120	0.20	0.75	113	825	60	20 962	2 572.2	1977	85 12 - GPP
64	16.34	0.090	0.20	0.68	167	827	63	21 130	2 594.2	1977	82 12 - GPP
64	8.94	0.100	0.16	0.68	151	828	60	17 880	2 434.2	1977	88 12 - GPP
64	5.80	0.094	0.12	0.60	172	825	59	18 130	2 673.5	1978	82 12 - GPP
128	15.43	0.060	0.09	0.76	115	802	58	13 927	2 105.6	1978	92 03
64	12.60	0.067	0.17	0.76	113	811	64	15 000	2 454.5	1981	88 04 - GPP
64	9.40	0.062	0.15	0.76	130	810	66	15 868	2 518.5	1981	88 04 - GPP
64	9.00	0.090	0.09	0.78	91	806	68	15 343	2 572.1	1981	88 04
97	4.32	0.135	0.31	0.64	250	816	82	27 022	2 745.6	1969	83 10 - GPP
32	12.00	0.090	0.15	0.64	131	785	72	27 852	2 762.3	1983	92 08 - GPP
64	29.40	0.115	0.09	0.77	91	806	68	14 043	2 237.7	1984	88 04 - GPP
128	10.20	0.040	0.09	0.76	91	806	68	13 934	2 216.2	1984	92 03 - GPP
64	8.40	0.050	0.09	0.76	108	814	64	11 804	2 165.2	1985	92 11
320	13.71	0.060	0.10	0.76	108	813	64	12 809	2 285.6	1985	92 03
64	5.60	0.110	0.09	0.75	119	815	71	16 324	2 512.2	1969	89 12
64	4.92	0.097	0.20	0.65	177	819	86	26 264	2 714.3	1986	87 01 - GPP
64	3.16	0.100	0.15	0.78	91	805	68	26 355	2 370.0	1986	87 03
129	7.02	0.120	0.20	0.69	158	815	84	23 670	2 764.2	1969	89 09 - GPP
128	12.70	0.110	0.18	0.75	110	806	74	13 583	2 542.4	1987	91 04
64	4.81	0.085	0.15	0.71	160	805	60	19 075	2 154.3	1982	86 01 - GPP
23	43.38	0.110	0.33	0.68	188	819	72	19 082	2 797.3	1987	89 09
64	9.10	0.075	0.10	0.74	106	806	63	13 757	2 503.5	1987	88 07 - GPP
256	7.51	0.060	0.21	0.78	91	806	68	11 209	2 095.1	1987	89 02
64	3.50	0.090	0.28	0.66	189	813	60	16 229	2 731.9	1987	89 02 - GPP
64	5.60	0.080	0.15	0.47	363	807	75	26 418	2 582.1	1982	92 10
32	15.80	0.060	0.10	0.68	132	804	72	12 691	2 251.5	1988	90 04
64	4.57	0.150	0.10	0.66	189	808	60	15 801	2 650.4	1969	89 05 - GPP
157	19.25	0.070	0.20	0.65	177	819	86	23 908	2 772.2	1968	89 09
64	2.00	0.070	0.15	0.52	323	796	78	27 844	2 663.7	1989	90 08
20	19.02	0.080	0.10	0.73	137	815	68	12 405	2 305.6	1989	90 10 - GPP
64	15.10	0.060	0.09	0.76	108	813	64	11 804	2 214.1	1988	92 03 - GPP
64	8.84	0.046	0.09	0.76	115	802	58	13 536	2 216.9	1981	92 03

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
RINGS 080-05W6								
D-1 A	139.0	0.20		27.8		27.8	13.1	14.7
FIELD TOTAL	139.0			27.8		27.8	13.1	14.7
RIVIERE 055-27W4								
WABAMUN A	424.0	0.03		12.7		12.7	5.6	7.1
FIELD TOTAL	424.0			12.7		12.7	5.6	7.1
ROCKYFORD 026-23W4								
UPPER MANNVILLE C	90.0	0.05		4.5		4.5	2.3	2.2
UPPER MANNVILLE E	301.0	0.13		39.1		39.1	22.1	17.0
UPPER MANNVILLE F	2 600.0	0.25	0.20	650.0	520.0	1 170.0	233.1	936.9
WATER FLOOD								
UPPER MANNVILLE G	147.0	0.10		14.7		14.7	0.4	14.3
LOWER MANNVILLE A	811.0	0.10		81.1		81.1	52.3	28.8
LOWER MANNVILLE F	81.1	0.10		8.1		8.1	1.9	6.2
LOWER MANNVILLE G	322.0	0.03		9.7		9.7	3.5	6.2
FIELD TOTAL	4 352.1			807.2	520.0	1 327.2	315.6	1 011.6
ROSEBUD 027-21W4								
BLAIRMORE	420.0	0.16		67.2		67.2	64.2	3.0
FIELD TOTAL	420.0			67.2		67.2	64.2	3.0
ROSEVEAR 054-15W5								
SECOND WHITE SPECKS A	914.0	0.10		91.4		91.4	29.4	62.0
FIELD TOTAL	914.0			91.4		91.4	29.4	62.0
ROWLEY 032-20W4								
BELLY RIVER H & LOWER MANNVILLE H	330.0	0.15		49.5		49.5	40.7	8.8
VIKING C	220.0	0.15		33.0		33.0	16.5	16.5
VIKING D	81.2	0.10		8.1		8.1	0.2	7.9
UPPER MANNVILLE D	514.0	0.10		51.4		51.4	16.9	34.5
UPPER MANNVILLE E	1 288.0	0.10		129.0		129.0	78.6	50.4
UPPER MANNVILLE L	108.0	0.01		1.1		1.1	0.4	0.7
UPPER MANNVILLE M	334.0	0.10		33.4		33.4	12.0	21.4
UPPER MANNVILLE N	88.4	0.15		13.2		13.2	2.4	10.8
UPPER MANNVILLE O	360.0	0.10		36.0		36.0	5.4	30.6
LOWER MANNVILLE A	233.0	<0.02		3.9		3.9	3.9	
LOWER MANNVILLE G	179.0	0.10		17.9		17.9	0.1	17.8
LOWER MANNVILLE J	160.0	<0.03		3.4		3.4	3.4	
LOWER MANNVILLE K	181.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE P	37.5	0.05		1.9		1.9	0.3	1.6
PEKISKO A	7 213.0	0.05		361.0		361.0	249.1	111.9
PEKISKO B	61.9	<0.01		0.1		0.1	0.1	
PEKISKO D	33.8	<0.01		0.1		0.1	0.1	
BANFF A	77.6	0.10		7.8		7.8		7.8
FIELD TOTAL	11 500.4			751.2		751.2	430.5	320.7
ROYAL 053-15W4								
MIDDLE VIKING D	41.5	0.01		0.5		0.5	0.5	
MIDDLE VIKING E	110.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	151.5			0.8		0.8	0.8	
RYCROFT 077-05W6								
GETHING B	144.0	<0.01		0.2		0.2	0.2	
CHARLIE LAKE A TOTAL	2 500.0			250.0	776.0	1 026.0	536.3	489.7
PRIMARY AREA	283.0	0.10		28.3		28.3		
WATER FLOOD AREA	2 217.0	0.10	0.35	222.0	776.0	998.0		
CHARLIE LAKE C TOTAL	500.0			75.1	138.0	213.0	75.3	137.7
PRIMARY AREA	39.3	0.15		5.9		5.9		
WATER FLOOD AREA	461.0	0.15	0.30	69.2	138.0	207.0		
CHARLIE LAKE J	133.0	0.15		20.0		20.0	11.2	8.8
CHARLIE LAKE K	28.6	<0.01		0.1		0.1	0.1	
CHARLIE LAKE M	579.0	0.15		86.9		86.9	30.6	56.3

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
32	15.30	0.050	0.21	0.72	53	840	77	24 440	2 178.7	1989	92 11
64	7.50	0.200	0.48	0.85	54	894	41	8 300	1 236.9	1985	91 12 - GPP
32	3.00	0.180	0.35	0.80	54	885	46	10 305	1 482.8	1982	91 02 - GPP
95	3.24	0.160	0.29	0.86	69	866	49	10 516	1 583.0	1986	92 12
360	6.00	0.200	0.30	0.86	69	855	49	10 759	1 564.1	1981	92 03 - GPP
32	6.60	0.150	0.46	0.86	75	834	49	10 509	1 514.9	1991	92 05
128	6.12	0.190	0.31	0.79	90	879	50	10 711	1 518.3	1979	81 11 - GPP
64	1.50	0.160	0.40	0.88	46	891	41	10 551	1 535.9	1984	85 10 - GPP
64	7.00	0.160	0.49	0.88	44	884	50	10 842	1 619.4	1985	92 12 - GPP
312	1.25	0.173	0.26	0.84	44	876	49	10 000	1 415.2	1956	86 12 - GPP
192	10.00	0.070	0.20	0.85	55	821	69	21 498	1 818.7	1985	89 06 - GPP
128	1.90	0.210	0.24	0.85	48	870	49	7 490	1 348.3	1980	88 09 - GPP
192	1.53	0.150	0.47	0.94	20	825	38	7 310	1 201.8	1974	90 10 - GPP
64	1.50	0.150	0.40	0.94	20	825	45	7 290	1 204.8	1986	91 12
64	9.20	0.180	0.43	0.85	51	870	40	7 698	1 422.4	1987	91 09
422	2.82	0.190	0.33	0.85	46	855	53	9 000	1 367.4	1964	92 02 - GPP
16	8.60	0.150	0.34	0.79	78	878	59	7 932	1 372.5	1990	92 12
115	2.50	0.200	0.30	0.83	62	881	61	7 998	1 374.2	1990	92 05
16	5.90	0.170	0.42	0.95	18	939	37	9 900	1 315.4	1977	91 07
64	5.90	0.170	0.34	0.85	51	870	40	8 753	1 412.4	1987	91 09
16	17.37	0.140	0.25	0.80	51	870	52	9 480	1 417.9	1964	92 11 - ABAND 75 02
64	2.40	0.180	0.21	0.82	66	847	53	8 922	1 344.8	1976	88 08
64	2.00	0.200	0.24	0.82	60	869	46	9 582	1 349.0	1981	92 10
64	3.50	0.170	0.42	0.82	66	864	53	10 158	1 371.7	1981	82 12 - ABAND 88 05
16	6.00	0.090	0.47	0.82	66	846	53	9 658	1 405.2	1987	92 02 - GPP
1 424	9.32	0.080	0.21	0.86	70	870	50	10 070	1 354.7	1960	92 09 - GPP
64	1.50	0.100	0.25	0.86	43	870	49	7 677	1 363.3	1981	82 12 - GPP
16	6.20	0.060	0.34	0.86	48	865	52	3 397	1 362.2	1990	92 09 - ABAND 92 06
64	5.00	0.060	0.53	0.86	56	876	42		1 425.2	1991	91 06 - GPP
64	0.80	0.180	0.50	0.90	40	840	30	4 052	650.9	1981	88 12 - GPP
128	1.14	0.210	0.55	0.80	40	848	33	4 525	615.9	1980	89 12
64	3.50	0.120	0.37	0.85	60	811	50	10 649	1 234.5	1983	86 12
1 200	1.68	0.139	0.13	0.83	62	889	54	12 774	1 376.3	1981	89 01
1 032	2.14	0.139	0.13	0.83							- GPP
390					63	865	54	13 057	1 404.8	1982	92 04
64	0.77	0.130	0.27	0.84							
326	1.17	0.182	0.21	0.84							
107	1.50	0.150	0.35	0.85	55	826	54	13 590	1 460.8	1983	88 12
16	2.16	0.128	0.23	0.84	63	885	54	12 462	1 450.3	1985	92 12 - ABAND 92 08
192	2.93	0.170	0.28	0.84	63	881	54	12 393	1 289.4	1987	88 05

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
RYCROFT 077-05W6 (CONTINUED)								
HALFWAY B	541.0	0.15		81.2		81.2	27.7	53.5
HALFWAY C	4 259.0	0.15	0.22	639.0	937.0	1 576.0	976.2	599.8
WATER FLOOD								
HALFWAY D	684.0	0.15		103.0		103.0	24.9	78.1
HALFWAY E	465.0	0.10		46.4		46.4	21.1	25.3
HALFWAY F	170.0	0.15		25.5		25.5	20.5	5.0
HALFWAY G	61.4	0.15		9.2		9.2	0.4	8.8
HALFWAY H	66.4	0.15		10.0		10.0	3.3	6.7
FIELD TOTAL	10 131.4			1 346.6	1 851.0	3 197.5	1 727.8	1 469.7
SADDLE HILLS 076-08W6								
CHARLIE LAKE A	349.0	0.10		34.9		34.9	21.8	13.1
CHARLIE LAKE B	169.0	0.10		16.9		16.9	3.7	13.2
CHARLIE LAKE C	123.0	0.10		12.3		12.3		12.3
CHARLIE LAKE D	31.2	<0.01		0.3		0.3	0.3	
CHARLIE LAKE E	123.0	0.10		12.3		12.3	3.6	8.7
HALFWAY A	126.0	0.10		12.6		12.6	1.6	11.0
FIELD TOTAL	921.2			89.3		89.3	31.0	58.3
SAKWATAMAU 063-14W5								
GETHING A	800.0	0.15		120.0		120.0	82.4	37.6
GETHING B	69.4	<0.01		0.1		0.1	0.1	
BELLOU A	500.0	0.35		175.0		175.0	92.0	83.0
BEAVERHILL LAKE A	431.0	0.15		64.7		64.7	16.1	48.6
FIELD TOTAL	1 800.4			359.8		359.8	190.6	169.2
SALT CREEK 075-10W5								
SLAVE POINT A	178.0	0.10		17.8		17.8	2.6	15.2
GILWOOD A	144.0	0.15		21.6		21.6	15.6	6.0
FIELD TOTAL	322.0			39.4		39.4	18.2	21.2
SAMSON 044-24W4								
BLAIRMORE A	1 460.0	<0.03		36.7		36.7	36.7	
FIELD TOTAL	1 460.0			36.7		36.7	36.7	
SAWN LAKE 091-12W5								
SLAVE POINT A	2 200.0	0.10		220.0		220.0	163.9	56.1
SLAVE POINT J TOTAL	10 290.0			392.0	78.9	471.0	287.5	183.5
PRIMARY AREA	8 316.0	0.04		333.0		333.0		
WATER FLOOD AREA	1 973.0	0.03	0.04	59.2	78.9	138.0		
SLAVE POINT K	337.0	0.05		16.9		16.9	10.6	6.3
SLAVE POINT L	132.0	0.15		19.8		19.8	11.6	8.2
SLAVE POINT M	329.0	0.15		49.4		49.4	7.7	41.7
FIELD TOTAL	13 288.0			698.1	78.9	777.1	481.3	295.8
SAXON 061-24W5								
CARDIUM A	112.0	0.10		11.2		11.2	2.7	8.5
FIELD TOTAL	112.0			11.2		11.2	2.7	8.5
SEAL 082-14W5								
SLAVE POINT A	2 254.0	0.45		1 014.0		1 014.0	611.6	402.4
SLAVE POINT B	237.0	0.30		71.1		71.1	43.8	27.3
SLAVE POINT C	505.0	0.02		10.1		10.1	7.5	2.6
SLAVE POINT D	1 382.0	0.35		484.0		484.0	174.1	309.9
SLAVE POINT E	113.0	0.01		1.1		1.1	0.8	0.3
SLAVE POINT F	74.5	0.25		18.6		18.6	11.8	6.8
SLAVE POINT G	176.0	0.35		61.6		61.6	8.6	53.0
SLAVE POINT H	179.0	0.15		26.9		26.9	3.9	23.0
FIELD TOTAL	4 920.5			1 687.4		1 687.4	862.1	825.3
SEIU LAKE 025-18W4								
LOWER MANNVILLE G	776.0	0.05		38.8		38.8	12.9	25.9
PEKISKO A	107.0	0.10		10.7		10.7	1.5	9.2

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
192	4.95	0.150	0.52	0.79	93	835	55	13 318	1 415.6	1983	86 03 - GPP
1 073	4.44	0.155	0.27	0.79	93	832	55	11 757	1 441.5	1984	88 04 - GPP
256	3.55	0.140	0.32	0.79	80	835	45	12 639	1 386.9	1982	89 01
64	6.80	0.190	0.33	0.84	93	828	55	12 673	1 455.0	1986	88 04
128	2.19	0.126	0.39	0.79	93	827	55	13 613	1 455.8	1987	88 05
64	1.73	0.130	0.46	0.79	93	828	55	11 757	1 371.6	1989	89 11
64	1.20	0.150	0.27	0.79	93	827	55	12 657	1 410.1	1990	91 07
192	1.44	0.200	0.19	0.78	91	845	72	15 550	1 749.6	1981	85 07 - GPP
64	2.40	0.170	0.17	0.78	91	845	72	15 530	1 757.4	1984	85 07
64	2.20	0.140	0.20	0.78	91	845	72	15 205	1 727.1	1982	85 07
64	0.59	0.129	0.20	0.80	70	835	70	14 323	1 724.4	1982	92 10
64	2.20	0.124	0.10	0.78	91	833	72	17 865	1 934.1	1987	87 12 - GPP
64	4.82	0.090	0.37	0.72	120	816	58	19 589	1 860.2	1989	89 01 - GPP
318	2.42	0.180	0.27	0.79	142	892	61	13 170	1 725.0	1975	85 10 - GPP
65	1.43	0.120	0.25	0.83	142	892	59	13 090	1 664.5	1975	82 12 - ABAND 91 02
311	1.73	0.170	0.28	0.76	105	800	72	14 523	1 795.3	1984	92 03 - GPP
64	19.12	0.068	0.19	0.64	224	825	109	27 602	2 801.0	1988	89 07
64	8.24	0.075	0.50	0.90	32	851	55	14 714	1 774.1	1985	86 08 - GPP
64	4.29	0.096	0.30	0.78	103	839	60	18 348	1 804.1	1966	89 12 - GPP
324	3.99	0.186	0.25	0.81	50	887	60	10 830	1 465.5	1953	83 12 - GPP
480	8.89	0.075	0.21	0.87	57	822	38	13 169	1 597.7	1983	92 12
2 644					57	822	38	13 521	1 605.9	1983	92 06
2 154	10.04	0.068	0.35	0.87							
490	10.33	0.070	0.36	0.87							- GPP
64	14.61	0.061	0.32	0.87	46	828	39	13 528	1 629.5	1985	85 12 - GPP
64	5.72	0.066	0.38	0.88	44	829	37	12 021	1 629.0	1985	86 03 - GPP
64	11.10	0.075	0.29	0.87	44	831	45	12 934	1 628.8	1985	85 12 - GPP
64	2.40	0.140	0.35	0.80	82	833	58	13 143	1 686.3	1977	81 10 - GPP
562	7.79	0.082	0.27	0.86	42	830	68	18 287	1 809.4	1974	92 12 - GPP
192	4.72	0.055	0.46	0.88	39	830	54	18 670	1 829.2	1985	88 01 - GPP
189	6.20	0.070	0.30	0.88	39	824	54	17 425	1 784.7	1987	91 12
256	10.94	0.066	0.16	0.89	35	818	52	17 564	1 797.5	1985	87 12 - GPP
16	13.60	0.079	0.25	0.88	39	825	54	17 528	1 809.0	1987	92 08
64	2.70	0.062	0.21	0.88	39	825	54	17 434	1 816.6	1987	91 12 - GPP
64	5.90	0.070	0.26	0.90	39	825	54	16 615	1 814.2	1991	92 12
32	11.70	0.070	0.24	0.90	39	825	54	16 390	1 823.0	1991	92 11
128	6.29	0.180	0.37	0.85	66	857	38	9 270	1 366.0	1979	82 12 - GPP
32	5.00	0.120	0.33	0.83	67	846	43	7 529	1 416.5	1990	92 06 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
SEIU LAKE 025-18W4 (CONTINUED)								
FIELD TOTAL	883.0			49.5		49.5	14.4	35.1
SENEX 092-04W5								
SLAVE POINT A	337.0	0.15		50.6		50.6	4.6	46.0
KEG RIVER N & SLAVE POINT B	247.0	0.10		24.7		24.7	8.7	16.0
KEG RIVER A	1 890.0	0.05		94.5		94.5	39.3	55.2
KEG RIVER B	1 367.0	0.25		342.0		342.0	140.5	201.5
KEG RIVER D	368.0	0.10		36.8		36.8	21.3	15.5
KEG RIVER E	310.0	0.15		46.5		46.5	23.6	22.9
KEG RIVER H	172.0	0.04		6.9		6.9	4.9	2.0
KEG RIVER I	839.0	0.20		168.0		168.0	52.5	115.5
KEG RIVER J	303.0	0.25		75.8		75.8	47.3	28.5
KEG RIVER K	194.0	0.25		48.5		48.5	16.2	32.3
KEG RIVER L	221.0	0.15		33.2		33.2	1.5	31.7
KEG RIVER M	125.0	0.25		31.3		31.3	5.3	26.0
KEG RIVER O	185.0	0.02		3.7		3.7	0.9	2.8
KEG RIVER P	273.0	0.20		54.6		54.6	19.9	34.7
KEG RIVER Q	222.0	0.25		55.5		55.5	33.0	22.5
KEG RIVER R	537.0	0.10		53.7		53.7	20.4	33.3
KEG RIVER S	328.0	0.20		65.6		65.6	18.9	46.7
KEG RIVER T	156.0	0.15		23.4		23.4	3.0	20.4
KEG RIVER U	205.0	0.15		30.8		30.8	6.8	24.0
KEG RIVER V	204.0	0.05		10.2		10.2	4.0	6.2
KEG RIVER W	137.0	0.25		34.3		34.3	6.0	28.3
KEG RIVER Y	74.4	0.10		7.4		7.4	0.4	7.0
KEG RIVER Z	166.0	0.15		24.9		24.9	0.6	24.3
KEG RIVER AA	112.0	0.05		5.6		5.6	1.5	4.1
KEG RIVER BB	85.7	0.15		12.9		12.9	0.7	12.2
KEG RIVER C & X	1 965.0	0.25		491.0		491.0	159.4	331.6
FIELD TOTAL	11 023.1			1 832.4		1 832.4	641.2	1 191.2
SHADOW 074-18W5								
GILWOOD A	447.0	0.30		134.0		134.0	78.1	55.9
GILWOOD B	265.0	0.30		79.5		79.5	41.2	38.3
GILWOOD C	756.0	0.25		189.0		189.0	72.6	116.4
GILWOOD D	384.0	0.25		96.0		96.0	35.5	60.5
GILWOOD E	167.0	0.30		50.1		50.1	43.3	6.8
GILWOOD F	245.0	0.30		73.5		73.5	43.4	30.1
GILWOOD G	201.0	0.25		50.3		50.3	15.4	34.9
GILWOOD H	716.0	0.30		215.0		215.0	85.8	129.2
GILWOOD I	118.0	0.25		29.5		29.5	3.5	26.0
GILWOOD J	368.0	0.04		14.7		14.7	10.0	4.7
GILWOOD K	145.0	0.25		36.3		36.3	21.4	14.9
GILWOOD L	90.9	0.10		9.1		9.1	5.5	3.6
GILWOOD M	91.8	<0.06		4.9		4.9	4.9	
GILWOOD N	58.3	0.10		5.8		5.8	3.9	1.9
GILWOOD O	127.0	0.20		25.4		25.4	12.9	12.5
GILWOOD P	38.3	0.15		5.7		5.7	2.5	3.2
GILWOOD Q	197.0	0.25		49.3		49.3	21.6	27.7
GILWOOD R	77.3	<0.01		0.1		0.1	0.1	
GILWOOD S	151.0	0.20		30.2		30.2	7.6	22.6
GILWOOD T	109.0	0.03		3.3		3.3	3.3	
GRANITE WASH A	222.0	0.15		33.3		33.3	18.3	15.0
FIELD TOTAL	4 974.6			1 135.0		1 135.0	530.8	604.2
SHANE 077-02W6								
KISKATINAW A	67.2	0.10		6.7		6.7	4.5	2.2
WABAMUN A	65.5	0.25		16.4		16.4	1.8	14.6
WABAMUN B	208.0	0.20		41.6		41.6	0.7	40.9
WABAMUN C	64.2	0.35		22.5		22.5	4.7	17.8
FIELD TOTAL	404.9			87.2		87.2	11.7	75.5
SHEKILIE 118-08W6								
MUSKEG A	95.3	<0.18		16.3		16.3	16.3	
MUSKEG C	233.0	<0.03		5.9		5.9	5.9	
MUSKEG D	280.0	<0.01		0.7		0.7	0.7	
MUSKEG E	213.0	<0.01		0.8		0.8	0.8	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	13.41	0.082	0.45	0.87	57	835	30	9 937	1 044.9	1986	86 12
32	17.18	0.080	0.39	0.92	27	830	36	13 105	1 262.8	1987	91 12 - GPP
512	9.15	0.067	0.30	0.86	55	829	31	13 410	1 253.8	1969	88 06 - GPP
448	4.81	0.100	0.31	0.92	27	831	35	13 463	1 279.5	1985	87 11 - GPP
64	14.30	0.067	0.31	0.87	42	831	49	13 698	1 270.4	1985	91 12 - GPP
192	6.28	0.054	0.44	0.85	55	829	31	13 474	1 242.0	1986	87 03 - GPP
64	7.07	0.071	0.37	0.85	55	829	31	12 240	1 226.1	1986	92 09 - GPP
192	8.51	0.099	0.39	0.85	55	830	37	13 368	1 258.8	1986	88 04 - GPP
64	12.60	0.064	0.31	0.85	55	829	31	13 436	1 266.6	1987	87 05 - GPP
64	6.58	0.077	0.35	0.92	30	832	35	13 163	1 297.0	1987	87 11 - GPP
64	8.55	0.068	0.30	0.85	55	837	31	12 204	1 222.8	1986	87 05 - GPP
64	4.40	0.075	0.31	0.86	55	830	31	11 896	1 250.7	1986	87 12 - GPP
32	6.20	0.139	0.27	0.92	27	830	36	13 157	1 257.6	1987	88 01 - GPP
128	3.90	0.090	0.34	0.92	27	830	36	13 026	1 260.3	1987	88 02 - GPP
64	7.80	0.062	0.22	0.92	27	829	36	13 243	1 233.5	1987	88 05 - GPP
100	11.58	0.070	0.28	0.92	30	834	40	13 070	1 237.0	1987	88 03 - GPP
128	5.30	0.090	0.39	0.88	47	829	40	12 798	1 269.6	1987	88 03 - GPP
64	5.40	0.090	0.41	0.85	55	829	31	13 169	1 242.8	1987	88 03 - GPP
64	6.60	0.080	0.34	0.92	30	829	35	12 351	1 260.0	1987	88 05 - GPP
64	9.07	0.059	0.30	0.85	55	829	31	11 942	1 286.9	1970	88 06 - GPP
64	6.08	0.059	0.30	0.85	55	829	31	13 205	1 249.4	1969	88 06 - GPP
64	2.40	0.100	0.43	0.85	55	829	31	12 997	1 245.1	1987	89 03 - GPP
64	6.90	0.063	0.35	0.92	27	830	36	11 979	1 238.3	1988	89 04 - GPP
64	4.20	0.060	0.18	0.85	55	834	31	12 252	1 230.1	1988	89 08 - GPP
32	7.30	0.070	0.43	0.92	31	835	35	13 026	1 270.8	1987	92 05 - GPP
576	5.94	0.096	0.32	0.88	27	828	35	13 783	1 282.9	1985	91 07 - GPP
128	3.90	0.148	0.32	0.89	24	833	83	25 348	2 371.6	1985	88 08
128	2.59	0.130	0.31	0.89	36	840	86	25 206	2 344.3	1985	87 07 - GPP
256	3.65	0.140	0.35	0.89	23	833	72	25 622	2 374.3	1985	88 05
128	3.06	0.162	0.32	0.89	36	840	86	25 672	2 379.7	1985	87 09 - GPP
64	2.97	0.130	0.24	0.89	36	838	78	25 306	2 351.0	1984	84 08 - GPP
64	4.50	0.129	0.26	0.89	26	843	78	25 308	2 352.4	1984	85 01 - GPP
64	4.05	0.116	0.25	0.89	23	832	86	25 110	2 346.7	1987	87 09 - GPP
320	3.55	0.120	0.39	0.86	30	840	75	24 358	2 388.7	1956	88 10 - GPP
64	2.41	0.143	0.40	0.89	26	813	81	25 971	2 417.9	1987	87 12 - GPP
128	3.65	0.170	0.48	0.89	36	837	84	24 325	2 348.3	1987	91 12 - GPP
64	2.48	0.160	0.36	0.89	36	835	75	22 839	2 335.8	1988	91 01 - GPP
32	3.23	0.152	0.35	0.89	36	835	86	24 327	2 351.8	1988	91 12 - GPP
64	2.29	0.110	0.36	0.89	36	843	86	25 285	2 353.9	1986	92 03 - ABAND 91 01
64	1.45	0.116	0.37	0.86	30	840	75	24 488	2 350.8	1987	89 06 - GPP
32	3.50	0.180	0.29	0.89	36	835	86	25 209	2 373.3	1988	91 12 - GPP
64	1.20	0.110	0.49	0.89	24	848	82	24 422	2 360.1	1988	86 08 - GPP
64	3.50	0.150	0.32	0.86	72	838	70	21 397	2 364.5	1988	89 06
64	1.57	0.144	0.40	0.89	36	835	86	23 480	2 363.6	1988	89 06 - ABAND 90 02
64	2.24	0.160	0.26	0.89	36	835	86	24 048	2 348.1	1988	89 06 - GPP
32	4.00	0.120	0.20	0.89	36	835	86	23 929	2 371.9	1989	92 08 - ABAND 92 05
64	5.81	0.139	0.50	0.86	39	846	87	24 875	2 344.3	1986	91 12 - GPP
64	1.25	0.160	0.30	0.75	128	815	70	14 360	1 473.9	1977	77 12 - GPP
64	4.00	0.040	0.20	0.80	70	852	68	25 700	2 316.3	1985	87 05 - GPP
64	14.70	0.040	0.31	0.80	72	859	75	15 149	2 205.5	1989	89 11
32	8.90	0.040	0.32	0.83	62	849	61	26 768	2 439.4	1990	90 12
31	5.79	0.089	0.11	0.67	155	811	83	17 730	1 746.8	1971	75 03 - GPP
64	7.60	0.084	0.15	0.67	135	811	83	13 593	1 664.7	1981	86 12
64	10.50	0.075	0.17	0.67	155	810	83	12 155	1 739.0	1983	86 12
64	7.80	0.070	0.13	0.70	155	810	83	17 107	1 701.4	1983	86 12

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SHEKILIE 118-08W6 (CONTINUED)								
MUSKEG F	110.0	<0.10		10.7		10.7	10.7	
MUSKEG G	120.0	0.20		24.0		24.0	16.8	7.2
MUSKEG H	100.0	0.08		8.0		8.0	6.4	1.6
MUSKEG I	75.0	0.35		26.3		26.3	10.6	15.7
MUSKEG J	66.4	0.20		13.3		13.3	9.6	3.7
MUSKEG K	59.2	0.25		14.8		14.8	7.2	7.6
KEG RIVER A	504.0	0.27		136.0		136.0	130.4	5.6
KEG RIVER B	455.0	<0.15		67.4		67.4	67.4	
KEG RIVER C	636.0	0.25		159.0		159.0	141.1	17.9
KEG RIVER D	493.0	0.40		197.0		197.0	159.3	37.7
KEG RIVER E	159.0	<0.07		9.6		9.6	9.6	
KEG RIVER F	246.0	<0.19		45.1		45.1	45.1	
KEG RIVER G	150.0	0.40		60.0		60.0	39.7	20.3
KEG RIVER H	121.0	0.25		30.3		30.3	25.2	5.1
KEG RIVER I	229.0	0.05		11.4		11.4	11.1	0.3
KEG RIVER J	388.0	0.30		116.0		116.0	98.3	17.7
KEG RIVER K	272.0	0.15		40.8		40.8	31.3	9.5
KEG RIVER L	465.0	0.20		93.0		93.0	28.4	64.6
KEG RIVER M	700.0	0.04		28.0		28.0	26.9	1.1
KEG RIVER N	50.0	<0.15		7.3		7.3	7.3	
KEG RIVER O	539.0	<0.02		10.1		10.1	10.1	
KEG RIVER P	754.0	<0.03		22.5		22.5	22.5	
KEG RIVER Q	500.0	0.30		150.0		150.0	78.9	71.1
KEG RIVER R	350.0	0.15		52.5		52.5	20.0	32.5
KEG RIVER S	41.2	<0.19		7.5		7.5	7.5	
KEG RIVER T	450.0	0.10		45.0		45.0	38.9	6.1
KEG RIVER U	250.0	0.35		87.5		87.5	75.3	12.2
KEG RIVER V	151.0	0.40		60.4		60.4	50.2	10.2
KEG RIVER W	299.0	0.20		59.8		59.8	58.3	1.5
KEG RIVER X	94.1	0.30		28.2		28.2	14.1	14.1
KEG RIVER Y	600.0	0.25		150.0		150.0	120.4	29.6
KEG RIVER Z	470.0	0.15		70.5		70.5	48.9	21.6
KEG RIVER AA	70.6	<0.18		12.3		12.3	12.3	
KEG RIVER BB	139.0	0.08		11.1		11.1	7.3	3.8
KEG RIVER CC	270.0	0.35		94.5		94.5	63.1	31.4
KEG RIVER EE	200.0	0.35		70.0		70.0	37.3	32.7
KEG RIVER FF	167.0	<0.01		1.7		1.7	1.7	
KEG RIVER GG	320.0	0.15		48.0		48.0	39.5	8.5
KEG RIVER HH	146.0	<0.02		1.9		1.9	1.9	
KEG RIVER II	205.0	<0.02		3.7		3.7	3.7	
KEG RIVER JJ	98.5	<0.06		5.1		5.1	5.1	
KEG RIVER KK	190.0	<0.06		10.7		10.7	10.7	
KEG RIVER LL	190.0	0.20		38.0		38.0	25.9	12.1
KEG RIVER MM	153.0	<0.13		19.1		19.1	19.1	
KEG RIVER NN	200.0	0.25		50.0		50.0	31.8	18.2
KEG RIVER OO	340.0	0.20		68.0		68.0	41.9	26.1
KEG RIVER PP	164.0	0.30		49.2		49.2	30.9	18.3
KEG RIVER QQ	795.0	0.40		318.0		318.0	284.4	33.6
KEG RIVER RR	210.0	0.20		42.0		42.0	35.5	6.5
KEG RIVER SS	175.0	0.05		8.8		8.8	7.2	1.6
KEG RIVER TT	530.0	0.10		53.0		53.0	36.9	16.1
KEG RIVER UU	400.0	0.10		40.0		40.0	21.6	18.4
KEG RIVER VV	250.0	0.15		37.5		37.5	19.2	18.3
KEG RIVER WW	306.0	0.15		45.9		45.9	34.8	11.1
KEG RIVER XX	45.0	<0.10		4.4		4.4	4.4	
KEG RIVER YY	300.0	0.10		30.0		30.0	16.4	13.6
KEG RIVER ZZ	700.0	0.05		35.0		35.0	13.6	21.4
KEG RIVER AAA	500.0	0.15		75.0		75.0	58.7	16.3
KEG RIVER BBB	450.0	0.05		22.5		22.5	4.8	17.7
KEG RIVER CCC	500.0	0.05		25.0		25.0	17.7	7.3
KEG RIVER DDD	300.0	0.05		15.0		15.0	10.6	4.4
KEG RIVER EEE	500.0	0.07		35.0		35.0	27.3	7.7
KEG RIVER FFF	325.0	<0.01		0.9		0.9	0.9	
KEG RIVER GGG	595.0	0.02		11.9		11.9	7.5	4.4
KEG RIVER HHH	200.0	0.05		10.0		10.0	4.6	5.4
KEG RIVER III	142.0	0.30	0.17	42.6	24.1	66.7	47.3	19.4
WATER FLOOD								
KEG RIVER UJJ	206.0	<0.01		0.4		0.4	0.4	
KEG RIVER KKK	450.0	<0.02		8.7		8.7	8.7	
KEG RIVER LLL	300.0	0.20		60.0		60.0	28.0	32.0
KEG RIVER MMM	330.0	0.20		66.0		66.0	33.1	32.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
27	8.37	0.074	0.06	0.70	145	826	75	18 177	1 767.2	1984	92 10
19	11.40	0.092	0.13	0.70	120	834	76	17 000	1 788.7	1984	86 01
23	7.95	0.080	0.10	0.76	93	876	70	17 116	1 802.3	1982	90 12 - GPP
9	14.39	0.092	0.10	0.70	153	838	68	17 047	1 751.5	1985	87 11 - GPP
16	12.50	0.050	0.20	0.83	52	849	83	15 858	1 764.2	1977	90 12 - GPP
32	4.00	0.065	0.11	0.80	66	841	88	20 276	1 761.3	1986	90 12
13	66.95	0.094	0.12	0.70	132	839	83	17 800	1 699.3	1970	91 12 - GPP
12	60.62	0.100	0.08	0.68	151	820	81	17 510	1 756.6	1971	82 12 - ABAND 87 08
26	39.97	0.100	0.10	0.68	170	839	83	18 310	1 727.6	1971	90 12 - GPP
15	94.49	0.065	0.15	0.63	176	820	79	18 600	1 728.2	1971	71 12 - GPP
5	59.04	0.095	0.10	0.63	191	806	79	19 910	1 754.7	1972	74 12 - GPP
5	113.39	0.073	0.14	0.69	138	825	84	18 580	1 748.0	1972	88 07 - GPP
6	38.16	0.107	0.10	0.68	106	834	83	18 685	1 802.0	1974	87 12 - GPP
9	30.44	0.070	0.10	0.70	132	828	80	15 300	1 777.0	1979	90 12 - GPP
16	28.40	0.090	0.20	0.70	120	834	83	17 940	1 715.8	1979	90 12 - GPP
64	15.00	0.070	0.15	0.68	150	825	74	15 300	1 765.5	1979	91 12 - GPP
25	24.40	0.075	0.15	0.70	132	819	83	20 276	1 722.0	1980	86 12 - GPP
16	49.20	0.090	0.18	0.80	138	823	86	16 104	1 825.3	1980	92 12 - GPP
11	93.60	0.100	0.15	0.80	132	834	83	16 629	1 789.5	1980	90 12 - GPP
12	7.00	0.090	0.15	0.78	142	814	81	14 801	1 747.6	1980	82 01
11	90.00	0.080	0.15	0.80	126	825	85	17 367	1 777.0	1980	84 12 - ABAND 88 02
16	99.02	0.080	0.15	0.70	124	825	86	16 003	1 768.8	1980	86 12 - GPP
11	64.73	0.120	0.14	0.68	122	835	93	14 879	1 714.0	1981	83 12 - GPP
10	75.70	0.080	0.15	0.68	143	820	50	18 292	1 750.5	1981	83 06 - GPP
7	28.00	0.040	0.25	0.70	115	835	87	16 094	1 832.0	1981	83 12
12	68.90	0.080	0.15	0.80	140	826	86	18 615	1 759.3	1980	90 12 - GPP
11	39.70	0.100	0.17	0.69	140	826	86	19 919	1 773.0	1980	82 01
16	17.60	0.090	0.15	0.70	150	825	83	17 730	1 685.5	1979	86 12 - GPP
29	31.90	0.070	0.32	0.68	176	845	83	20 720	1 746.0	1980	84 12 - GPP
11	28.30	0.060	0.30	0.72	95	845	82	17 548	1 747.4	1981	83 12 - GPP
28	85.04	0.050	0.20	0.63	151	810	82	20 400	1 795.7	1980	87 11 - GPP
17	63.20	0.067	0.13	0.75	135	830	68	17 403	1 816.0	1969	91 02 - GPP
16	15.00	0.060	0.30	0.70	138	833	69	15 440	1 817.5	1981	88 12 - GPP
9	51.00	0.050	0.15	0.71	113	825	82	15 598	1 712.5	1981	92 12 - GPP
9	63.02	0.080	0.15	0.70	138	826	80	17 066	1 721.8	1982	84 05 - GPP
11	41.80	0.080	0.20	0.68	130	835	95	15 949	1 828.2	1982	84 06
4	55.85	0.120	0.12	0.71	132	834	83	14 257	1 765.6	1983	92 11
16	38.00	0.090	0.14	0.68	113	834	74	16 928	1 814.0	1983	85 12 - GPP
16	15.30	0.100	0.15	0.70	138	826	80	18 844	1 728.4	1983	86 12 - ABAND 87 09
16	31.50	0.070	0.17	0.70	138	826	80	16 420	1 741.3	1983	88 12
15	11.00	0.090	0.16	0.79	180	831	63	16 075	1 760.9	1983	85 10 - ABAND 87 10
16	24.50	0.080	0.11	0.68	146	821	83	11 360	1 818.7	1984	89 12 - GPP
8	46.50	0.085	0.09	0.66	133	818	70	19 936	1 783.0	1984	91 12 - GPP
16	32.20	0.050	0.15	0.70	130	838	49	15 172	1 760.3	1983	91 12 - GPP
12	32.50	0.090	0.10	0.63	111	824	76	19 805	1 763.5	1983	89 12 - GPP
28	34.68	0.059	0.14	0.69	133	816	89	19 700	1 789.7	1983	87 03
55	4.50	0.100	0.08	0.72	100	848	79	14 766	1 832.3	1982	91 12
30	56.02	0.073	0.10	0.72	119	845	70	17 102	1 742.0	1971	77 05
4	42.00	0.180	0.10	0.77	112	870	82	19 097	1 840.0	1983	89 12 - GPP
5	67.00	0.080	0.15	0.77	96	845	71	18 030	1 780.0	1983	91 12 - GPP
12	63.30	0.120	0.17	0.70	130	830	49	16 655	1 783.8	1983	89 12 - GPP
8	93.80	0.090	0.20	0.74	146	827	83	13 891	1 831.5	1983	86 07 - GPP
17	24.80	0.100	0.14	0.69	130	824	98	19 274	1 824.8	1984	88 03
13	46.92	0.086	0.19	0.72	80	826	80	15 663	1 671.9	1984	92 08
6	33.08	0.041	0.21	0.70	138	826	80	17 050	1 735.1	1984	88 12 - GPP
19	20.30	0.120	0.10	0.72	120	835	56	17 868	1 760.0	1984	89 12 - GPP
18	56.40	0.110	0.13	0.72	105	803	85	18 619	1 776.3	1985	89 12 - GPP
11	80.20	0.095	0.11	0.67	151	808	91	18 413	1 756.6	1985	90 12
15	46.90	0.100	0.20	0.80	74	845	82	16 996	1 786.8	1985	89 12 - GPP
15	101.10	0.054	0.15	0.72	118	840	60	18 023	1 810.5	1985	86 04 - GPP
7	98.80	0.070	0.14	0.72	113	840	64	15 554	1 838.0	1985	90 12 - GPP
11	66.50	0.113	0.16	0.72	114	840	61	17 824	1 862.0	1985	86 06 - GPP
16	45.30	0.075	0.12	0.68	150	820	82	16 288	1 789.2	1985	85 08
10	87.00	0.095	0.10	0.80	74	834	82	21 460	1 804.2	1985	91 12 - GPP
8	65.10	0.080	0.20	0.60	195	820	60	11 557	1 787.8	1985	89 12 - GPP
4	79.00	0.069	0.12	0.74	167	835	62	19 427	1 777.8	1985	88 03 - GPP
16	34.50	0.066	0.18	0.69	130	808	98	14 755	1 776.3	1985	86 09 - ABAND 87 05
13	76.94	0.079	0.15	0.67	151	830	91	15 833	1 780.2	1986	87 10 - ABAND 87 11
10	46.09	0.103	0.11	0.71	120	845	71	15 040	1 890.0	1985	91 12 - GPP
14	46.19	0.086	0.14	0.69	130	826	72	18 160	1 756.5	1985	86 05

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SHEKILIE 118-08W6 (CONTINUED)								
KEG RIVER NNN	130.0	<0.02		2.1		2.1	2.1	
KEG RIVER OOO	325.0	0.25		81.3		81.3	57.0	24.3
KEG RIVER PPP	100.0	0.15		15.0		15.0	9.9	5.1
KEG RIVER QOO	384.0	0.06		23.0		23.0	15.9	7.1
KEG RIVER SSS	400.0	<0.05		16.3		16.3	16.3	
KEG RIVER TTT	207.0	0.10		20.7		20.7	15.2	5.5
KEG RIVER UUU	500.0	0.30	0.15	150.0	75.0	225.0	135.5	89.5
WATER FLOOD								
KEG RIVER VVV	250.0	0.05		12.5		12.5	9.7	2.8
KEG RIVER WWW	23.4	<0.04		0.9		0.9	0.9	
KEG RIVER XXX	86.6	0.20		17.3		17.3	4.0	13.3
KEG RIVER YYY	720.0	0.10		72.0		72.0	62.9	9.1
KEG RIVER ZZZ	239.0	0.25		59.8		59.8	20.7	39.1
KEG RIVER A2A	433.0	0.10		43.3		43.3	22.1	21.2
KEG RIVER B2B	500.0	0.10		50.0		50.0	14.9	35.1
KEG RIVER C2C	467.0	0.30		140.0		140.0	18.3	121.7
KEG RIVER D2D	533.0	0.30		160.0		160.0	13.1	146.9
KEG RIVER E2E	168.0	0.03		5.0		5.0	0.5	4.5
KEG RIVER F2F	801.0	0.20		160.0		160.0	28.9	131.1
KEG RIVER G2G	539.0	0.30		162.0		162.0	25.3	136.7
KEG RIVER H2H	31.0	0.20		6.2		6.2	0.1	6.1
KEG RIVER I2I	953.0	0.30		286.0		286.0	31.2	254.8
KEG RIVER J2J	690.0	0.20		138.0		138.0	12.5	125.5
KEG RIVER L2L	165.0	0.30		49.5		49.5	0.5	49.0
FIELD TOTAL	30 725.3			5 007.5	99.1	5 106.6	3 024.5	2 082.1
SHELDON 073-22W5								
GILWOOD A	81.9	<0.01		0.2		0.2	0.2	
FIELD TOTAL	81.9			0.2		0.2	0.2	
SHOAL 082-07W5								
GRANITE WASH A	150.0	0.20		30.0		30.0	11.3	18.7
FIELD TOTAL	150.0			30.0		30.0	11.3	18.7
SHOULDIKE 020-23W4								
BOW ISLAND A	78.6	<0.01		0.3		0.3	0.3	
GLAUCONITIC B	29.7	<0.01		0.2		0.2	0.2	
GLAUCONITIC E	500.0	0.20	0.10	100.0	50.0	150.0	112.5	37.5
WATER FLOOD								
GLAUCONITIC G	1 250.0	0.15		188.0		188.0	123.6	64.4
GLAUCONITIC H	351.0	<0.01		2.8		2.8	2.8	
GLAUCONITIC I	400.0	0.20		80.0		80.0	68.2	11.8
GLAUCONITIC J	200.0	0.10		20.0		20.0	15.4	4.6
GLAUCONITIC K	145.0	0.20		29.0		29.0	14.5	14.5
GLAUCONITIC M	1 000.0	0.10		100.0		100.0	31.2	68.8
GLAUCONITIC N	246.0	0.05		12.3		12.3	10.0	2.3
ELLERSLIE A	61.2	<0.04		1.9		1.9	1.9	
ELLERSLIE B	41.4	0.05		2.1		2.1	0.2	1.9
ELLERSLIE C	767.0	0.15		115.0		115.0	70.1	44.9
ELLERSLIE E	172.0	<0.01		0.7		0.7	0.7	
ELLERSLIE F	137.0	0.15		20.6		20.6	0.4	20.2
ELLERSLIE G	45.6	0.15		6.8		6.8	2.8	4.0
ELLERSLIE J	317.0	0.05		15.9		15.9	0.1	15.8
ELLERSLIE M	56.6	0.20		11.3		11.3	1.5	9.8
ELLERSLIE N	13.5	0.20		2.7		2.7	0.4	2.3
ELLERSLIE O	71.6	0.15		10.7		10.7	0.3	10.4
ELLERSLIE P	211.0	0.06		12.7		12.7	10.8	1.9
FIELD TOTAL	6 094.2			733.0	50.0	783.0	467.9	315.1
SIMONETTE 063-26W5								
DUNVEGAN A	1 920.0	0.10		192.0		192.0	172.6	19.4
DUNVEGAN B	109.0	<0.01		0.2		0.2	0.2	
DUNVEGAN F	73.0	0.05		3.7		3.7	1.3	2.4
BLUESKY A	62.8	0.10		6.3		6.3	3.6	2.7
GETHING B	313.0	0.10		31.3		31.3	21.8	9.5
GETHING C	126.0	0.02		2.5		2.5	1.9	0.6
NORDEGG A	833.0	0.10		83.3		83.3	27.4	55.9

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
10	33.24	0.076	0.17	0.62	153	830	76	16 750	1 785.5	1985	86 06
11	46.70	0.099	0.18	0.78	153	811	76	13 601	1 760.1	1986	87 08
14	11.67	0.100	0.15	0.72	133	841	70	18 796	1 784.5	1982	87 07
16	55.00	0.074	0.17	0.71	149	815	88	14 935	1 798.5	1987	91 12 - GPP
11	42.83	0.144	0.12	0.67	153	848	76	17 950	1 757.5	1987	92 03 - ABAND 91 10
16	47.50	0.042	0.10	0.72	133	838	70		1 829.3	1987	89 12 - GPP
11	93.18	0.079	0.13	0.71	133	838	70	16 686	1 766.5	1986	88 07 - GPP
15	48.35	0.057	0.16	0.72	133	838	70	16 618	1 775.3	1986	87 07 - GPP
16	7.70	0.040	0.29	0.67	153	840	76	19 846	1 825.9	1987	91 09 - ABAND 91 03
16	19.00	0.050	0.15	0.67	153	838	76	15 338	1 754.0	1987	92 02 - GPP
12	85.36	0.110	0.10	0.71	132	834	83	14 536	1 706.2	1987	92 08
12	32.00	0.093	0.13	0.77	153	849	76	16 609	1 740.0	1988	89 03
8	75.37	0.120	0.12	0.68	151	821	82	16 141	1 792.8	1988	92 12
10	60.63	0.132	0.12	0.71	132	834	83	16 133	1 793.0	1988	92 12
23	25.80	0.120	0.17	0.79	80	837	80	16 001	1 800.3	1988	89 05
12	50.42	0.141	0.12	0.71	133	838	70	16 925	1 768.2	1988	89 08
11	28.80	0.080	0.14	0.77	96	845	71	14 411	1 731.8	1989	90 01 - GPP
16	44.00	0.180	0.11	0.71	132	834	83	14 234	1 747.0	1989	90 03
16	44.00	0.120	0.16	0.76	106	834	82	15 454	1 750.0	1989	90 06
16	7.00	0.050	0.23	0.72	133	838	70	15 541	1 735.5	1989	90 06 - GPP
58	52.00	0.050	0.11	0.71	131	840	82	16 014	1 749.0	1990	91 12
24	44.00	0.100	0.14	0.76	106	833	82	12 236	1 811.5	1991	92 04
23	15.00	0.090	0.22	0.68	151	820	82	17 204	1 777.5	1989	92 06
64	1.60	0.165	0.43	0.85	43	842	94	29 295	2 854.2	1987	89 12
119	1.70	0.110	0.27	0.92	54	832	50	16 803	1 646.6	1982	89 01 - GPP
64	1.50	0.150	0.40	0.91	32	847	40	7 729	1 393.0	1984	84 09 - ABAND 84 03
64	0.60	0.140	0.35	0.85	59	871	42	13 503	1 623.5	1982	83 02 - ABAND 91 07
64	5.13	0.230	0.16	0.79	92	849	39	13 529	1 650.9	1975	89 04
121	8.98	0.210	0.25	0.73	120	824	46	13 321	1 642.8	1981	89 10
64	5.76	0.172	0.30	0.79	98	813	42	12 710	1 624.3	1986	92 10
72	4.45	0.210	0.25	0.79	98	838	45	13 134	1 666.6	1987	89 10
64	2.47	0.200	0.20	0.79	98	813	42	13 128	1 664.5	1981	89 06
64	1.80	0.210	0.24	0.79	98	813	43	13 317	1 661.8	1987	91 12 - GPP
128	7.36	0.184	0.27	0.79	110	850	42	12 463	1 654.0	1988	89 06
64	3.20	0.200	0.24	0.79	98	813	42	13 479	1 472.6	1989	90 08 - GPP
64	1.60	0.120	0.40	0.83	46	838	40	13 291	1 658.0	1981	83 02 - ABAND 86 02
32	1.50	0.160	0.35	0.83	66	859	44	14 490	1 717.3	1981	91 02 - GPP
488	1.94	0.160	0.39	0.83	96	854	40	13 876	1 583.7	1972	89 10
64	4.50	0.120	0.40	0.83	66	873	51	14 414	1 679.8	1982	86 12 - ABAND 85 06
64	2.30	0.190	0.41	0.83	125	850	65	13 347	1 684.0	1987	87 08
64	1.20	0.130	0.45	0.83	83	839	45	12 233	1 596.0	1980	89 03 - GPP
64	8.20	0.140	0.48	0.83	83	839	45	12 210	1 542.6	1989	90 03
64	1.00	0.150	0.29	0.83	83	839	45	13 495	1 544.4	1991	91 08
32	0.80	0.130	0.51	0.83	83	838	45	13 534	1 601.1	1991	91 11 - GPP
32	3.00	0.140	0.35	0.82	83	839	45	14 578	1 548.6	1991	91 12
64	3.39	0.170	0.35	0.88	48	844	49	14 041	1 713.0	1976	92 07 - GPP
384	7.22	0.130	0.35	0.82	77	822	61	13 375	2 047.3	1980	87 02
64	3.30	0.098	0.36	0.82	70	822	61	13 565	1 927.0	1980	83 12 - ABAND 82 11
64	2.80	0.087	0.35	0.72	97	825	61	13 500	1 884.0	1983	92 12
64	1.45	0.123	0.14	0.64	199	822	83	20 235	1 416.3	1986	87 05 - GPP
230	1.86	0.130	0.12	0.64	199	822	83	22 648	2 442.0	1978	84 05
64	3.50	0.120	0.23	0.61	323	773	79	26 357	2 881.2	1981	91 12
32	22.00	0.150	0.17	0.95	19	902	83	28 702	2 408.1	1988	88 12

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SIMONETTE 063-26W5 (CONTINUED)								
WABAMUN C	1 513.0	<0.02		29.3		29.3	29.3	
D-3 TOTAL	18 000.0			6 100.0	72.0	6 172.0	6 079.1	92.9
PRIMARY AREA	16 800.0	<0.34		5 620.0		5 620.0		
SOLVENT FLOOD AREA	1 200.0	0.40	0.06	480.0	72.0	552.0		
D-3 B	526.0	0.10		52.6		52.6	50.0	2.6
D-3 C	871.0	0.60		523.0		523.0	219.2	303.8
FIELD TOTAL	24 346.8			7 024.2	72.0	7 096.2	6 606.4	489.8
SIMONETTE NORTH 064-25W5								
WABAMUN A	395.0	<0.02		4.3		4.3	4.3	
FIELD TOTAL	395.0			4.3		4.3	4.3	
SINCLAIR 075-12W6								
DOE CREEK B	954.0	0.05		47.7		47.7	26.6	21.1
DOE CREEK C	129.0	0.10		12.9		12.9	2.6	10.3
DOE CREEK D	2 633.0	0.10		263.0		263.0	117.9	145.1
DOE CREEK H	50.7	0.10		5.1		5.1	3.8	1.3
DOE CREEK I & J	277.0	0.05		13.8		13.8	6.4	7.4
FIELD TOTAL	4 043.7			342.5		342.5	157.3	185.2
SKARD 057-19W4 COOKING LAKE								
COOKING LAKE	474.0	0.10		47.4		47.4	43.8	3.6
FIELD TOTAL	474.0			47.4		47.4	43.8	3.6
SLAVE 084-14W5								
SLAVE POINT H	5 080.0	0.30		1 524.0		1 524.0	877.5	646.5
SLAVE POINT L	1 360.0	0.30		408.0		408.0	146.3	261.7
SLAVE POINT N	313.0	0.05		15.6		15.6	10.8	4.8
SLAVE POINT O	339.0	<0.02		4.1		4.1	4.1	
SLAVE POINT P	31.3	<0.01		0.1		0.1	0.1	
SLAVE POINT Q	125.0	0.30		37.5		37.5	11.3	26.2
SLAVE POINT R	103.0	<0.01		0.9		0.9	0.9	
SLAVE POINT S	3 915.0	0.30		1 175.0		1 175.0	683.5	491.5
SLAVE POINT T	410.0	0.08		32.8		32.8	20.3	12.5
SLAVE POINT U	141.0	<0.02		1.6		1.6	1.6	
SLAVE POINT V	172.0	<0.01		0.1		0.1	0.1	
SLAVE POINT X	92.5	0.10		9.3		9.3	7.2	2.1
SLAVE POINT Z	32.0	0.01		0.3		0.3	0.3	
SLAVE POINT AA	290.0	0.25		72.5		72.5	32.9	39.6
SLAVE POINT BB	134.0	<0.02		2.0		2.0	2.0	
SLAVE POINT CC	278.0	0.10		27.8		27.8	15.1	12.7
GRANITE WASH B	45.5	0.20		9.1		9.1	4.6	4.5
GRANITE WASH D	46.8	0.15		7.0		7.0	6.3	0.7
GRANITE WASH E	91.8	0.10		9.2		9.2	4.1	5.1
GRANITE WASH F	100.0	0.25		25.0		25.0	11.1	13.9
FIELD TOTAL	13 099.9			3 361.9		3 361.9	1 840.1	1 521.8
SNIPER LAKE 071-18W5								
BEAVERHILL LAKE	31 050.0			3 728.0	8 680.0	12 410.0	9 280.6	3 129.4
TOTAL								
PRIMARY AREA	52.0	0.15		7.8		7.8		
WATER FLOOD AREA	31 000.0	0.12	0.28	3 720.0	8 680.0	12 400.0		
BEAVERHILL LAKE B	130.0	0.20		26.0		26.0	20.1	5.9
GILWOOD A	91.2	0.25		22.8		22.8	8.2	14.6
FIELD TOTAL	31 271.2			3 776.8	8 680.0	12 458.8	9 308.9	3 149.9
SOUNDING 030-09W4								
UPPER MANNVILLE D	215.0	0.05		10.8		10.8	2.7	8.1
FIELD TOTAL	215.0			10.8		10.8	2.7	8.1
SOUSA 113-04W6								
SULPHUR POINT A	319.0	0.10		31.9		31.9	0.3	31.6
KEG RIVER A	281.0	0.10		28.1		28.1	12.5	15.6

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	44.50	0.100	0.17	0.64	172	825	96	32 890	3 351.0	1964	84 02 - GPP
3 136					552	792	105	35 670	3 533.5	1958	88 05 - GPP
2 992	28.37	0.062	0.16	0.38							
144	42.11	0.062	0.16	0.38							
64	28.60	0.090	0.16	0.38	552	793	95	32 000	3 547.0	1982	91 12 - GPP
100	39.90	0.080	0.12	0.31	555	788	105	36 074	3 572.7	1985	92 12 - GPP
65	10.67	0.120	0.27	0.65	160	835	93	30 497	3 090.4	1974	77 05 - ABAND 78 05
366	2.13	0.210	0.38	0.94	38	837	28	4 468	788.8	1984	91 12
64	2.80	0.150	0.40	0.80	84	861	32	6 674	1 086.0	1978	86 02 - GPP
512	3.89	0.178	0.21	0.94	70	822	35	7 513	925.2	1986	88 02 - GPP
64	0.98	0.136	0.34	0.90	37	837	36	6 229	954.0	1987	87 09 - GPP
128	2.12	0.170	0.36	0.94	19	831	38	6 871	991.6	1987	90 08 - GPP
80	5.63	0.170	0.32	0.91	28	860	41	8 480	1 119.2	1951	87 07 - GPP
832	10.08	0.085	0.19	0.88	32	827	50	17 200	1 744.5	1982	85 08 - GPP
320	5.33	0.108	0.17	0.89	32	827	50	16 839	1 670.7	1984	86 04 - GPP
64	8.70	0.085	0.29	0.93	12	825	56	16 270	1 790.8	1985	85 11 - GPP
64	8.00	0.095	0.25	0.93	44	820	55	17 315	1 800.8	1984	87 12 - ABAND 89 03
64	1.31	0.060	0.33	0.93	12	825	56	16 744	1 803.1	1985	86 03
128	3.18	0.057	0.42	0.93	12	825	56	17 107	1 791.9	1985	86 03 - GPP
64	6.05	0.060	0.48	0.85	12	830	56	16 039	1 773.2	1985	89 12 - ABAND 88 10
1 209	6.07	0.081	0.26	0.89	32	827	50	17 367	1 698.1	1980	87 10 - GPP
128	8.63	0.057	0.26	0.88	39	847	54	15 878	1 791.1	1985	91 12
64	5.68	0.062	0.29	0.88	39	840	54	16 108	1 797.5	1985	86 05 - ABAND 89 09
64	5.00	0.090	0.32	0.88	36	823	50	16 277	1 690.4	1986	86 08
64	5.24	0.055	0.43	0.88	36	823	55	15 233	1 743.9	1986	91 12 - GPP
16	3.80	0.080	0.26	0.89	32	820	50	15 168	1 713.1	1987	92 12 - GPP
192	2.90	0.080	0.27	0.89	32	825	50	16 396	1 713.8	1987	88 05
64	5.09	0.063	0.26	0.88	36	818	50	15 983	1 794.9	1986	92 03 - ABAND 91 10
100	5.39	0.069	0.16	0.89	32	825	50	16 571	1 705.3	1987	92 08 - GPP
64	2.00	0.070	0.41	0.86	40	825	68	17 657	1 782.5	1985	86 03 - GPP
16	2.80	0.150	0.18	0.85	46	835	69	16 890	1 753.7	1985	92 09 - GPP
64	1.80	0.120	0.19	0.82	62	835	69	16 941	1 764.0	1985	92 12 - GPP
112	1.51	0.110	0.40	0.90	14	834	43	16 043	1 717.3	1987	88 12
7 237					59	839	88	26 340	2 630.0	1962	90 12 - GPP
64	2.00	0.067	0.27	0.83							
7 173	10.49	0.068	0.27	0.83							
64	3.40	0.095	0.24	0.83	53	829	66	26 037	2 652.8	1985	85 08
64	1.84	0.150	0.42	0.89	36	834	86	24 028	2 654.0	1987	88 05 - GPP
64	2.10	0.250	0.29	0.90	39	873	33	6 660	919.8	1971	85 06 - GPP
64	17.83	0.046	0.25	0.81	74	876	72	14 070	1 414.6	1968	85 03
22	33.22	0.060	0.20	0.80	80	839	74	15 220	1 540.5	1969	92 03 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ² m ³	10 ³ m ³
SOUSA 113-04W6 (CONTINUED)								
KEG RIVER B	140.0	<0.03		3.9		3.9	3.9	
KEG RIVER C	308.0	0.05		15.4		15.4	9.1	6.3
KEG RIVER D	1 390.0	0.06		83.4		83.4	76.0	7.4
KEG RIVER E	250.0	0.20		50.0		50.0	21.1	28.9
KEG RIVER F	891.0	0.10		89.1		89.1	74.0	15.1
KEG RIVER G	356.0	<0.01		1.9		1.9	1.9	
KEG RIVER H	396.0	0.12		47.5		47.5	47.3	0.2
KEG RIVER I	60.5	<0.04		2.3		2.3	2.3	
KEG RIVER J	256.0	<0.01		0.3		0.3	0.3	
KEG RIVER K	108.0	0.25		27.0		27.0	3.3	23.7
KEG RIVER L	132.0	<0.01		0.1		0.1	0.1	
KEG RIVER M	124.0	0.10		12.4		12.4	6.8	5.6
KEG RIVER N	160.0	0.30		48.0		48.0	10.6	37.4
KEG RIVER O	70.0	0.04		2.8		2.8	2.8	
KEG RIVER P	276.0	<0.01		0.4		0.4	0.4	
KEG RIVER Q	67.9	0.20		13.6		13.6	11.4	2.2
KEG RIVER R	179.0	0.05		9.0		9.0	2.3	6.7
KEG RIVER S	121.0	0.25		30.3		30.3	1.4	28.9
KEG RIVER T	668.0	0.25		167.0		167.0	16.8	150.2
KEG RIVER U	74.0	0.30		22.2		22.2	0.4	21.8
FIELD TOTAL	6 627.4			686.6		686.6	305.0	381.6
SPIRIT RIVER 078-07W6								
DOE CREEK F	890.0	0.02		17.8		17.8	4.9	12.9
GETHING A	69.4	<0.01		0.1		0.1	0.1	
BALDONNEL A	171.0	<0.01		0.5		0.5	0.5	
CHARLIE LAKE D	240.0	0.10		24.0		24.0	10.6	13.4
CHARLIE LAKE F	54.8	<0.01		0.3		0.3	0.3	
CHARLIE LAKE J	61.8	0.30		18.5		18.5	14.8	3.7
CHARLIE LAKE L	119.0	0.10		11.9		11.9	1.3	10.6
CHARLIE LAKE G,H & I	135.0	0.10		13.5		13.5	5.9	7.6
CHARLIE LAKE E & M	1 980.0	0.15		297.0		297.0	119.6	177.4
CHARLIE LAKE K & HALFWAY F TOTAL	7 186.0			1 222.0	1 252.0	2 474.0	1 613.6	860.4
PRIMARY AREA	227.0	0.17		38.6		38.6		
WATER FLOOD AREA	6 959.0	0.17	0.18	1 183.0	1 252.0	2 435.0		
FIELD TOTAL	10 907.0			1 605.6	1 252.0	2 857.6	1 771.6	1 086.0
SPRING COULEE 004-23W4								
SECOND WHITE	250.0	0.05		12.5		12.5	0.5	12.0
SPECKS A	413.0	<0.04		13.0		13.0	13.0	
RUNDLE								
FIELD TOTAL	663.0			25.5		25.5	13.5	12.0
ST ALBERT-BIG LAKE 053-26W4								
BASAL QUARTZ I	62.3	0.11		6.9		6.9	6.9	
D-1 A	254.0	<0.17		41.3		41.3	41.3	
D-1 D	1 800.0	0.12		216.0		216.0	151.7	64.3
D-1 E	299.0	0.05		15.0		15.0	2.8	12.2
D-2 A	500.0	0.65		325.0		325.0	293.1	31.9
D-2 B	83.8	0.30		25.1		25.1		25.1
D-3 A	3 700.0	0.65		2 405.0		2 405.0	2 224.9	180.1
D-3 B	1 516.0	0.60		910.0		910.0	895.3	14.7
FIELD TOTAL	8 215.1			3 944.3		3 944.3	3 616.0	328.3
STANDOFF 007-25W4								
RUNDLE A	223.0	0.04		8.9		8.9	7.9	1.0
FIELD TOTAL	223.0			8.9		8.9	7.9	1.0
STANMORE 029-11W4								
UPPER MANNVILLE B	288.0	0.15		43.2		43.2	19.5	23.7
UPPER MANNVILLE G	181.0	0.05		9.1		9.1	6.3	2.8
UPPER MANNVILLE P	1 730.0	0.05		86.4		86.4	40.2	46.2
UPPER MANNVILLE W	36.5	<0.02		0.5		0.5	0.5	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
11	55.84	0.037	0.30	0.88	30	839	70	15 000	1 494.5	1967	92 10
16	84.70	0.037	0.31	0.89	32	834	75	14 940	1 478.0	1968	90 11 - GPP
74	66.63	0.045	0.28	0.87	39	844	80	15 200	1 508.8	1969	85 12 - GPP
16	29.53	0.075	0.15	0.83	62	849	71	14 930	1 495.3	1970	85 12
47	49.82	0.054	0.19	0.87	39	844	80	15 440	1 522.6	1970	84 12 - GPP
16	53.28	0.060	0.20	0.87	39	844	80	15 580	1 543.5	1970	92 11 - ABAND 90 02
25	64.11	0.040	0.29	0.87	39	844	80	15 200	1 527.0	1970	83 12 - GPP
11	49.01	0.020	0.37	0.89	32	829	75	14 790	1 488.6	1970	82 12 - ABAND 81 02
15	70.01	0.040	0.30	0.87	57	849	80	15 240	1 559.7	1970	81 05 - ABAND 90 03
64	30.30	0.010	0.36	0.87	39	848	80	14 175	1 486.2	1985	86 05
64	55.00	0.010	0.57	0.87	39	875	80	15 662	1 515.5	1986	86 05
37	16.70	0.032	0.28	0.87	39	843	80	14 844	1 520.0	1986	88 03
25	51.40	0.022	0.35	0.87	39	843	80	15 270	1 520.5	1986	88 03 - GPP
33	25.30	0.016	0.32	0.77	95	843	80	14 736	1 502.0	1986	88 05 - ABAND 90 02
16	63.30	0.040	0.22	0.87	39	843	80	15 322	1 540.3	1987	91 10 - ABAND 91 03
16	61.50	0.013	0.39	0.87	39	854	80	15 397	1 535.3	1985	91 12 - GPP
64	34.00	0.017	0.45	0.88	32	860	68	14 662	1 490.5	1986	90 12 - GPP
64	63.30	0.010	0.66	0.88	32	834	75	15 059	1 513.2	1986	88 05
136	35.30	0.020	0.21	0.88	32	835	75	14 568	1 514.5	1990	91 04
16	21.60	0.030	0.18	0.87	39	843	80	15 022	1 520.0	1991	92 09 - GPP
256	2.37	0.230	0.30	0.91	38	850	25	1 503	306.1	1987	92 12 - GPP
64	1.70	0.150	0.50	0.85	66	809	20	10 904	1 388.7	1981	83 04 - ABAND 85 06
64	4.42	0.130	0.38	0.75	100	810	52	12 287	1 456.9	1984	85 07 - ABAND 85 10
64	3.00	0.200	0.20	0.78	88	839	69	14 174	1 661.7	1980	80 12 - GPP
64	2.00	0.090	0.42	0.82	60	830	70	13 482	1 627.0	1983	88 12 - ABAND 89 12
100	0.67	0.146	0.23	0.82	64	834	66	12 476	1 473.9	1983	87 12
64	3.50	0.090	0.21	0.75	107	837	62	13 525	1 594.0	1988	88 08
128	2.06	0.100	0.39	0.84	67	826	62	12 886	1 589.3	1980	85 07
1 344	1.67	0.135	0.14	0.76	67	830	62	13 800	1 578.3	1980	89 10
1 557					100	837	59	13 166	1 429.3	1983	90 05 - GPP
86	2.55	0.160	0.19	0.80							
1 471	4.62	0.160	0.20	0.80							
64	4.70	0.130	0.20	0.80	80	829	38	14 455	1 293.1	1990	90 09
331	2.83	0.070	0.25	0.84	46	855	56	10 070	1 835.5	1950	78 10 - GPP
32	1.52	0.200	0.20	0.80	62	850	47	9 384	1 159.5	1952	75 12 - ABAND 71 07
110	5.85	0.058	0.20	0.85	70	849	53	9 310	1 225.9	1957	83 12 - GPP
150	29.41	0.080	0.40	0.85	70	851	54	9 332	1 222.7	1953	91 12 - GPP
64	14.40	0.080	0.50	0.81	53	861	50	9 321	1 226.4	1984	89 12 - GPP
130	16.50	0.034	0.22	0.88	71	844	55	10 620	1 336.5	1956	82 12
64	2.69	0.070	0.21	0.88	70	839	55	10 396	1 320.1	1952	92 10
101	43.21	0.110	0.06	0.82	62	849	58	11 240	1 463.6	1956	82 12 - GPP
106	19.80	0.098	0.09	0.81	73	855	58	11 030	1 424.9	1952	92 09 - GPP
64	14.50	0.050	0.40	0.80	84	802	52	22 278	2 338.2	1980	92 06 - GPP
65	3.71	0.195	0.32	0.90	42	876	38	8 880	1 043.6	1970	92 11 - GPP
32	4.60	0.210	0.35	0.90	43	876	32	9 280	1 062.2	1976	92 12
480	3.51	0.200	0.43	0.90	56	865	37	9 408	1 048.5	1979	85 12 - GPP
32	2.00	0.120	0.50	0.95	20	910	30	9 419	1 047.2	1978	84 11 - ABAND 89 10

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
STANMORE 029-11W4 (CONTINUED)								
UPPER MANNVILLE Y	168.0	0.10		16.8		16.8	3.1	13.7
UPPER MANNVILLE AA	398.0	0.06		23.9		23.9	18.4	5.5
UPPER MANNVILLE DD	396.0	0.05		19.8		19.8	5.3	14.5
UPPER MANNVILLE EE	59.6	0.05		3.0		3.0	0.8	2.2
LOWER MANNVILLE F	97.0	0.12		11.6		11.6	10.2	1.4
LOWER MANNVILLE H	114.0	0.10		11.4		11.4	6.8	4.6
LOWER MANNVILLE L	148.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE O	698.0	0.15		105.0		105.0	64.8	40.2
LOWER MANNVILLE T	171.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE X	62.2	0.15		9.3		9.3	8.6	0.7
LOWER MANNVILLE Y	130.0	<0.02		2.2		2.2	2.2	
LOWER MANNVILLE CC	257.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE A&B	193.0	0.06		11.6		11.6	11.3	0.3
FIELD TOTAL	5 127.3			354.5		354.5	198.7	155.8
STETTLER 038-20W4								
UPPER MANNVILLE C	186.0	0.05		9.3		9.3	0.9	8.4
LOWER MANNVILLE A	278.0	<0.01		1.0		1.0	1.0	
D-2 A TOTAL	9 430.0			2 830.0	1 383.0	4 213.0	4 134.3	78.7
PRIMARY AREA	210.0	0.30		63.0		63.0		
WATER FLOOD AREA	9 220.0	<0.31	0.15	2 767.0	1 383.0	4 150.0		
D-2 B	95.0	<0.04		3.3		3.3	3.3	
D-2 C	310.0	<0.01		0.1		0.1	0.1	
D-3 A	6 150.0	0.60		3 690.0		3 690.0	3 433.5	256.5
D-3 B	420.0	0.65		273.0		273.0	266.5	6.5
D-3 D	106.0	0.15		15.9		15.9	9.4	6.5
D-3 E	172.0	0.10		17.2		17.2	1.9	15.3
D-3 F	103.0	0.25		25.8		25.8	1.7	24.1
D-3 G	20.8	0.60		12.5		12.5	5.7	6.8
FIELD TOTAL	17 270.8			6 878.1	1 383.0	8 261.1	7 858.3	402.8
STETTLER NORTH 039-20W4								
UPPER MANNVILLE A	618.0	0.08		49.4		49.4	41.1	8.3
FIELD TOTAL	618.0			49.4		49.4	41.1	8.3
STEWART 032-28W4								
BELLY RIVER A	246.0	0.05		12.3		12.3	0.2	12.1
FIELD TOTAL	246.0			12.3		12.3	0.2	12.1
STRACHAN 037-08W5								
SECOND WHITE SPECKS A	27.6	0.15		4.1		4.1	0.2	3.9
VIKING A	264.0	0.20		52.8		52.8	41.1	11.7
VIKING B	24.5	0.20		4.9		4.9	0.2	4.7
FIELD TOTAL	316.1			61.8		61.8	41.5	20.3
STRATHMORE 022-25W4								
UPPER MANNVILLE A	227.0	0.06		13.6		13.6	11.5	2.1
LOWER MANNVILLE A	161.0	0.10		16.1		16.1	6.8	9.3
LOWER MANNVILLE B	2 660.0			266.0	790.0	1 056.0	214.9	841.1
TOTAL	26.5	0.10		2.7		2.7		
PRIMARY AREA	2 633.0	0.10	0.30	263.0	790.0	1 053.0		
WATER FLOOD AREA	107.0	0.05		5.3		5.3	0.1	5.2
LOWER MANNVILLE C	166.0	<0.01		0.7		0.7	0.7	
FIELD TOTAL	3 321.0			301.7	790.0	1 091.7	234.0	857.7
STURGEON LAKE 071-23W5								
D-3	7 963.0	0.54		4 300.0		4 300.0	3 863.3	436.7
D-3 B	74.2	0.20		14.8		14.8	7.9	6.9
FIELD TOTAL	8 037.2			4 314.8		4 314.8	3 871.2	443.6

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
128	1.79	0.160	0.46	0.85	46	890	36	7 371	1 086.3	1985	86 06
128	1.90	0.240	0.26	0.92	28	939	35	8 336	1 035.1	1972	89 12 - GPP
128	4.50	0.190	0.58	0.86	55	875	32	7 969	1 077.2	1987	88 10 - GPP
64	1.23	0.140	0.40	0.90	47	876	27	8 600	1 046.1	1972	78 02 - GPP
64	1.83	0.120	0.25	0.92	34	892	38	9 300	1 038.8	1976	91 12 - GPP
64	1.23	0.240	0.30	0.86	51	887	37	9 240	1 045.0	1977	79 05 - GPP
64	2.00	0.180	0.30	0.92	36	876	39	6 270	1 066.1	1978	82 12 - ABAND 81 07
256	1.96	0.230	0.32	0.89	45	863	38	9 461	1 084.7	1980	92 12 - GPP
64	2.30	0.210	0.40	0.92	126	858	50	9 631	1 087.7	1979	83 12 - ABAND 89 11
64	1.00	0.180	0.40	0.90	18	863	37	6 234	1 072.5	1984	87 12 - GPP
64	1.17	0.260	0.25	0.89	62	889	37	8 517	1 028.1	1976	88 12 - GPP
64	4.70	0.190	0.49	0.88	45	848	38	6 442	1 074.6	1987	92 10
64	2.70	0.200	0.35	0.86	37	870	49	9 480	1 076.2	1970	84 12 - GPP
64	3.17	0.160	0.35	0.88	58	872	35	9 068	1 296.4	1987	88 03
16	17.60	0.160	0.30	0.88	46	870	47	8 140	1 319.8	1974	92 12
2 239					63	876	62	12 000	1 585.9	1949	86 06
112	5.94	0.050	0.22	0.81							- GPP
2 127	13.72	0.050	0.22	0.81							- ABAND 84 05
64	2.60	0.080	0.12	0.81	62	887	38	11 800	1 583.1	1978	86 12 - ABAND 84 05
64	12.00	0.060	0.20	0.84	62	887	55	11 767	1 592.0	1979	82 12
861	7.96	0.061	0.17	0.82	67	887	63	12 820	1 626.7	1949	75 08 - GPP
140	5.67	0.075	0.15	0.83	62	876	65	12 690	1 648.1	1952	90 12 - GPP
64	5.30	0.060	0.37	0.83	62	876	58	12 086	1 642.7	1984	89 12 - GPP
64	3.15	0.124	0.18	0.84	62	873	65	11 935	1 645.5	1984	86 12 - GPP
32	4.00	0.130	0.26	0.84	62	902	65	11 768	1 631.0	1985	86 03 - GPP
11	3.90	0.075	0.21	0.82	68	887	66	12 100	1 629.0	1983	85 09 - GPP
285	1.85	0.200	0.31	0.85	44	887	33	9 290	1 293.0	1949	82 10 - GPP
64	5.40	0.170	0.55	0.93	17	840	44	4 045	1 167.9	1990	90 10
64	6.00	0.020	0.10	0.40	399	791	82	30 693	2 507.5	1990	91 11
192	4.60	0.070	0.39	0.70	158	819	88	21 893	2 686.0	1990	91 08
64	1.20	0.070	0.35	0.70	158	819	88	22 319	2 678.0	1990	91 04
64	3.70	0.150	0.20	0.80	177	800	52	13 680	1 703.2	1963	89 12 - GPP
64	3.40	0.120	0.25	0.82	76	865	49	11 640	1 782.6	1976	79 09 - GPP
831					118	855	53	15 627	1 826.4	1985	91 07
16	3.40	0.140	0.56	0.79							- GPP
815	3.60	0.160	0.29	0.79							- GPP
64	2.00	0.150	0.36	0.87	42	845	53	15 668	1 808.8	1981	87 08 - GPP
64	2.70	0.170	0.32	0.83	83	838	45	15 763	1 887.7	1988	92 10
1 422	19.49	0.052	0.15	0.65	188	839	88	27 240	2 698.4	1952	89 11 - GPP
16	12.90	0.070	0.21	0.65	178	835	88	24 769	2 860.9	1988	91 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
STURGEON LAKE SOUTH 069-22W5								
TRIASSIC A	4 770.0	0.11		525.0		525.0	494.5	30.5
TRIASSIC B	1 200.0	0.25		300.0		300.0	276.8	23.2
TRIASSIC C	26.6	<0.01		0.2		0.2	0.2	
TRIASSIC E	36.2	0.05		1.8		1.8	0.1	1.7
BELLOD A	31.3	0.03		0.9		0.9	0.4	0.5
BLUERIDGE A	884.0	0.20		177.0		177.0	131.7	45.3
D-3	49 000.0	<0.57		27 800.0		27 800.0	24 109.5	3 690.5
D-3 B	1 210.0	0.11		133.0		133.0	120.0	13.0
D-3 C	1 000.0	0.55		550.0		550.0	328.1	221.9
D-3 D	268.0	0.25		67.0		67.0	14.0	53.0
D-3 E	177.0	0.05		8.9		8.9	1.5	7.4
D-3 F	62.3	<0.02		1.1		1.1	1.1	
FIELD TOTAL	58 665.4			29 564.9		29 564.9	25 477.9	4 087.0
SULLIVAN LAKE 034-14W4								
BASAL QUARTZ A	156.0	<0.01		0.4		0.4	0.4	
BANFF A	195.0	0.10		19.5		19.5	2.7	16.8
BANFF B	754.0	0.02		15.1		15.1	10.8	4.3
BANFF C	332.0	0.03		10.0		10.0	6.7	3.3
FIELD TOTAL	1 437.0			45.0		45.0	20.6	24.4
SUNNYNOOK 026-10W4								
UPPER MANNVILLE G	122.0	0.10		12.2		12.2	0.1	12.1
BANFF C	94.6	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	216.6			12.3		12.3	0.2	12.1
SUNSET 069-20W5								
TRIASSIC A	4 130.0	0.15	0.02	620.0	82.6	703.0	566.2	136.8
WATER FLOOD								
TRIASSIC B	288.0	0.15		43.2		43.2	23.5	19.7
BEAVERHILL LAKE A	245.0	<0.01		1.1		1.1	1.1	
BEAVERHILL LAKE B	251.0	<0.04		9.6		9.6	9.6	
FIELD TOTAL	4 914.0			673.9	82.6	756.9	600.4	156.5
SWALWELL 029-24W4								
PEKISK0 A	1 620.0	0.05		81.0		81.0	59.9	21.1
PEKISK0 B	166.0	0.02		3.3		3.3	1.0	2.3
PEKISK0 C	249.0	<0.01		0.5		0.5	0.5	
PEKISK0 D	408.0	<0.07		27.8		27.8	27.8	
PEKISK0 E	38.0	0.10		3.8		3.8	1.1	2.7
PEKISK0 F	2 419.0	0.04		96.8		96.8	73.6	23.2
PEKISK0 H	603.0	0.02		12.1		12.1	6.6	5.5
PEKISK0 I	186.0	<0.01		1.6		1.6	1.6	
PEKISK0 L	294.0	0.15		44.1		44.1	11.5	32.6
D-2 A	1 120.0	0.20		224.0		224.0	181.7	42.3
D-2 C	555.0	0.40		222.0		222.0	129.9	92.1
D-2 D	596.0	0.35		209.0		209.0	97.4	111.6
FIELD TOTAL	8 254.0			926.0		926.0	592.6	333.4
SWAN HILLS 068-10W5								
GETHING A	201.0	0.05		10.1		10.1	4.0	6.1
BEAVERHILL LAKE C	98 710.0			12 910.0	17 770.0	30 680.0	21 114.5	9 565.5
TOTAL								
PRIMARY AREA	2 754.0	<0.25		679.0		679.0		
WATER FLOOD AREA	95 960.0	<0.13	0.19	12 230.0	17 770.0	30 000.0		
BEAVERHILL LAKE D	216.0	<0.01		0.2		0.2	0.2	
BEAVERHILL LAKE E	101.0	0.10		10.1		10.1	0.7	9.4
BEAVERHILL LAKE G	113.0	<0.01		0.3		0.3	0.3	
BEAVERHILL LAKE A&B	290 600.0			45 260.0	72 100.0	117 400.0	95 871.1	21 528.9
TOTAL								
PRIMARY AREA	5 516.0	0.12		662.0		662.0		
SOLVENT FLOOD AREA	141 900.0	<0.17	0.35	23 700.0	48 400.0	72 100.0		
WATER FLOOD AREA	143 200.0	<0.15	0.17	20 900.0	23 700.0	44 600.0		
FIELD TOTAL	389 941.0			58 190.7	89 870.0	148 100.7	116 990.8	31 109.9

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
1 578	4.08	0.150	0.35	0.76	102	844	52	13 890	1 499.6	1955	70 02 - GPP
565	2.83	0.139	0.29	0.76	101	839	54	14 860	1 554.5	1957	88 12 - GPP
32	2.00	0.090	0.40	0.77	104	838	54	13 115	1 553.8	1983	85 04 - ABAND 85 03
32	2.80	0.150	0.65	0.77	104	839	54	14 737	1 565.9	1959	91 11
32	1.20	0.150	0.36	0.85	58	880	42	14 589	1 645.3	1956	90 01 - GPP
364	6.43	0.073	0.24	0.68	145	834	82	24 340	2 337.8	1957	84 12 - GPP
6 700	25.00	0.050	0.10	0.65	183	834	88	27 340	2 590.8	1953	87 08 - GPP
446	8.87	0.050	0.15	0.72	133	839	91	25 990	2 660.0	1964	90 12 - GPP
110	14.73	0.102	0.11	0.68	160	841	88	22 899	2 672.1	1983	91 02
32	15.20	0.090	0.10	0.68	160	850	89	23 063	2 658.4	1984	84 12 - GPP
32	14.37	0.070	0.14	0.64	183	844	87	22 566	2 675.3	1987	89 12 - GPP
32	2.89	0.110	0.10	0.68	145	832	95	22 416	2 753.3	1989	92 10
64	1.80	0.220	0.30	0.88	51	877	30	8 477	1 095.3	1980	80 10
64	3.20	0.130	0.16	0.87	51	878	43	9 085	1 173.4	1982	88 02 - GPP
128	10.19	0.100	0.32	0.85	62	872	36	9 025	1 176.4	1987	91 12
64	6.30	0.180	0.39	0.75	88	861	40	9 296	1 128.7	1988	91 12 - GPP
32	4.50	0.170	0.44	0.89	45	847	38	10 257	986.7	1990	91 04 - GPP
64	4.00	0.060	0.30	0.88	50	878	43	9 946	1 022.0	1988	88 10 - ABAND 88 06
1 391	5.46	0.130	0.49	0.82	97	865	60	12 860	1 439.3	1960	91 05 - GPP
96	5.33	0.140	0.51	0.82	76	865	43	14 420	1 390.9	1975	85 05 - GPP
128	6.74	0.056	0.35	0.78	70	877	86	24 600	2 693.6	1982	85 12 - ABAND 92 07
64	8.63	0.075	0.27	0.83	41	860	40	25 787	2 743.0	1973	92 09 - ABAND 87 05
576	10.40	0.044	0.25	0.82	74	849	53	11 720	1 626.1	1963	81 12 - GPP
64	14.02	0.050	0.55	0.82	74	839	54	12 100	1 700.5	1975	91 07
65	16.46	0.050	0.43	0.82	74	839	49	10 480	1 705.4	1975	82 12
128	10.80	0.060	0.40	0.82	71	839	64	10 958	1 665.0	1977	92 10
65	1.83	0.060	0.35	0.82	78	855	43	11 210	1 652.6	1977	79 03 - GPP
744	8.21	0.070	0.31	0.82	64	871	52	11 010	1 656.8	1979	90 12 - GPP
128	18.84	0.050	0.39	0.82	67	869	51	10 991	1 626.5	1979	83 12 - GPP
32	8.80	0.133	0.40	0.83	85	874	61	11 167	1 621.1	1980	91 10 - ABAND 90 03
128	8.49	0.060	0.45	0.82	71	849	60	11 170	1 701.0	1975	92 05 - GPP
594	4.25	0.080	0.28	0.77	96	839	69	16 580	1 967.8	1969	87 12 - GPP
228	3.69	0.110	0.19	0.74	122	837	62	16 271	1 985.4	1987	92 12 - GPP
192	6.30	0.080	0.20	0.77	122	837	61	16 079	1 959.3	1987	92 12 - GPP
32	3.30	0.250	0.20	0.95	16	917	35	7 135	942.4	1984	84 12 - GPP
25 625					77	815	91	21 950	2 281.4	1958	91 2
1 867	3.39	0.062	0.10	0.78							- GPP
23 758	9.28	0.062	0.10	0.78							- GPP
128	9.00	0.030	0.20	0.78	86	818	53	22 363	2 487.8	1982	84 12 - ABAND 84 01
64	3.68	0.064	0.14	0.78	77	818	85	20 146	2 333.0	1987	88 03 - GPP
64	8.79	0.056	0.50	0.72	97	814	103	20 151	2 651.8	1988	92 06 - ABAND 91 07
40 802					100	820	104	22 680	2 527.4	1957	92 12
2 409	6.08	0.067	0.23	0.73							- GPP
7 813	37.00	0.082	0.18	0.73							- GPP
30 580	11.28	0.079	0.28	0.73							- GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
SWAN HILLS SOUTH 065-10W5								
BEAVERHILL LAKE C	57.7	0.25		14.4		14.4	10.7	3.7
BEAVERHILL LAKE A&B	134 800.0			23 170.0	44 280.0	67 450.0	57 301.3	10 148.7
TOTAL								
PRIMARY AREA	2 310.0	0.14		324.0		324.0		
SOLVENT FLOOD AREA	124 800.0	0.18	0.35	22 460.0	43 690.0	66 150.0		
WATER FLOOD AREA	7 646.0	<0.06	0.07	384.0	589.0	973.0		
FIELD TOTAL	134 857.7			23 184.4	44 280.0	67 464.4	57 312.0	10 152.4
SYLVAN LAKE 037-03W5								
CARDIUM A	550.0	0.13		71.5		71.5	67.5	4.0
CARDIUM B	210.0	0.10		21.0		21.0	13.1	7.9
CARDIUM C	186.0	0.05		9.3		9.3	2.6	6.7
CARDIUM E,2WS B & OSTRACOD L	865.0	0.04		34.6		34.6	11.7	22.9
SECOND WHITE SPECKS A	484.0	0.02		9.7		9.7	5.8	3.9
SECOND WHITE SPECKS C	685.0	0.10		68.5		68.5	23.4	45.1
SECOND WHITE SPECKS D	280.0	0.10		28.0		28.0	0.5	27.5
VIKING E	361.0	0.10		36.1		36.1	34.6	1.5
VIKING G	64.5	0.15		9.7		9.7	5.6	4.1
VIKING H	73.9	<0.05		3.5		3.5	3.5	
VIKING J	77.8	<0.02		0.9		0.9	0.9	
VIKING K	120.0	0.15		18.0		18.0	16.4	1.6
VIKING L	80.2	<0.02		1.6		1.6	1.6	
VIKING M	400.0	0.10		40.0		40.0	7.5	32.5
VIKING N	13.8	0.10		1.4		1.4		1.4
VIKING O	25.1	0.20		5.0		5.0	2.9	2.1
VIKING T	36.2	0.15		5.4		5.4	0.6	4.8
VIKING U	55.9	0.15		8.4		8.4	2.8	5.6
VIKING V	86.0	0.20		17.2		17.2	7.1	10.1
VIKING W	292.0	0.05		14.6		14.6	3.4	11.2
VIKING Y	9.6	<0.02		0.1		0.1	0.1	
VIKING Z	80.4	<0.14		10.9		10.9	10.9	
VIKING AA	55.2	0.01		0.6		0.6	0.6	
VIKING BB	53.2	<0.10		5.2		5.2	5.2	
VIKING CC	52.0	0.10		5.2		5.2	0.7	4.5
VIKING DD	39.9	0.10		4.0		4.0		4.0
VIKING GG	32.5	0.10		3.3		3.3	2.2	1.1
VIKING HH	12.7	0.20		2.5		2.5		2.5
VIKING A,D & S	2 190.0	0.10		219.0		219.0	215.2	3.8
GLAUCONITIC C	337.0	<0.06		18.4		18.4	18.4	
GLAUCONITIC D	172.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC F	333.0	<0.01		0.9		0.9	0.9	
GLAUCONITIC G	341.0	0.10		34.1		34.1	31.6	2.5
GLAUCONITIC H	246.0	0.10		24.6		24.6	9.4	15.2
GLAUCONITIC L	305.0	0.10		30.5		30.5	10.2	20.3
GLAUCONITIC J & BASAL QUARTZ B	223.0	0.05		11.2		11.2	0.1	11.1
GLAUCONITIC & LOWER MANNVILLE MU #1	435.0	0.05		21.8		21.8	15.0	6.8
LOWER MANNVILLE J	211.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE N	42.2	<0.02		0.7		0.7	0.7	
LOWER MANNVILLE R	529.0	0.02		10.6		10.6	1.4	9.2
LOWER MANNVILLE S	44.0	<0.03		1.1		1.1	1.1	
LOWER MANNVILLE Y	1 301.0	0.10		130.0		130.0	58.5	71.5
LOWER MANNVILLE GG	183.0	0.08		14.6		14.6	6.4	8.2
LOWER MANNVILLE II	105.0	0.05		5.3		5.3	0.3	5.0
OSTRACOD F	144.0	<0.01		0.6		0.6	0.6	
OSTRACOD M	58.7	0.10		5.9		5.9	5.2	0.7
OSTRACOD J,K,N,D & LOWER MANNVILLE BB	252.0	<0.03		5.4		5.4	5.1	0.3
DETRITAL B	240.0	<0.01		1.4		1.4	1.4	
DETRITAL D	361.0	<0.01		0.1		0.1	0.1	
DETRITAL E & ELKTON E	443.0	0.08		35.4		35.4	33.7	1.7
JURASSIC A	4 501.0	0.15		675.0		675.0	459.3	215.7
JURASSIC B	224.0	<0.01		0.8		0.8	0.8	
JURASSIC C	1 590.0	0.05		79.5		79.5	69.4	10.1

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64 14 928	3.30	0.060	0.35	0.70	108 113	820 820	109 107	23 082 23 510	2 427.3 2 543.6	1984 1959	92 07 - GPP 87 01
713 11 222 2 993	9.16 22.20 6.92	0.063 0.084 0.065	0.22 0.16 0.20	0.72 0.71 0.71							- GPP
411 192 128 788	1.54 1.51 4.03 1.88	0.138 0.120 0.058 0.100	0.25 0.28 0.26 0.27	0.84 0.84 0.84 0.80	71 71 68 62	860 847 845 827	54 54 54 60	13 986 14 210 13 790 16 534	1 763.9 1 793.6 1 681.0 1 798.5	1962 1963 1982 1985	91 12 - GPP 88 03 - GPP 88 03 - GPP 92 09
64	12.00	0.180	0.50	0.70	145	816	64	18 657	2 086.0	1981	83 12 - GPP
64	17.00	0.180	0.50	0.70	135	868	50	21 884	1 881.5	1987	89 10
64	11.40	0.080	0.25	0.64	177	794	47	22 482	1 966.5	1984	92 02
256 64 64 64 124 128	2.77 2.80 2.20 2.70 2.15 1.37	0.110 0.080 0.100 0.100 0.090 0.090	0.40 0.40 0.30 0.40 0.35 0.34	0.77 0.75 0.75 0.75 0.77 0.77	102 123 105 125 99 101	839 820 815 825 839 839	66 36 58 60 66 66	15 130 18 036 18 843 17 530 13 925 11 706	1 999.5 1 996.9 1 981.4 1 970.2 2 183.5 2 102.8	1972 1964 1981 1981 1977 1983	87 07 - GPP 81 07 - GPP 92 10 89 12 - GPP 83 12 - GPP 85 08 - ABAND 88 05
128 64 64 64 64 64 192 64 112 64 128 64 64 64 64 64 3 200	3.48 0.70 1.74 1.50 1.70 3.00 3.38 1.00 1.00 1.60 0.90 1.80 1.50 1.10 1.70 1.26 8.62 4.57 9.40 6.70 5.00 6.30 7.20	0.210 0.080 0.045 0.070 0.100 0.080 0.080 0.026 0.160 0.100 0.120 0.090 0.090 0.100 0.040 0.110 0.130 0.100 0.120 0.140 0.120 0.140 0.110	0.43 0.50 0.35 0.30 0.35 0.30 0.26 0.30 0.41 0.30 0.50 0.35 0.40 0.40 0.62 0.35 0.39 0.25 0.35 0.20 0.20 0.24	0.75 0.77 0.77 0.77 0.79 0.80 0.76 0.82 0.76 0.77 0.77 0.77 0.77 0.77 0.77 0.76 0.77 0.77 0.71 0.71 0.80 0.71	105 101 72 101 101 101 131 68 131 102 102 102 102 101 102 110 89 98 126 90 62 126 126	800 839 845 840 834 835 806 840 898 834 835 835 838 835 815 887 910 807 808 880 808 805	63 66 66 66 66 66 44 64 44 66 66 41 66 66 51 64 62 79 70 60 79 79	14 105 11 203 11 289 11 530 10 513 11 606 12 500 11 592 13 963 11 127 12 991 11 480 1 943.0 1 988.7 13 436 10 849 15 650 16 790 16 420 14 350 12 180 11 019 16 814 17 636	1 833.2 1 881.7 2 171.5 1 972.8 1 582.2 2 086.5 1 794.0 2 084.5 1 769.8 1 872.2 1 746.5 1 943.0 1 988.7 1 860.0 2 083.0 1 900.7 2 199.1 2 201.0 2 158.9 2 162.6 2 155.6 2 197.2 1 962.3	1982 1982 1978 1985 1985 1985 1985 1986 1983 1985 1988 1977 1960 1980 1985 1965 1964 1975 1983 1974 1987 1990 1986	87 12 83 10 82 07 - GPP 85 10 - GPP 85 10 - GPP 87 12 - GPP 88 04 - GPP 88 04 - ABAND 90 10 88 04 - ABAND 90 11 88 07 - ABAND 88 10 89 01 - ABAND 90 06 79 08 92 04 92 07 - GPP 92 10 92 12 - GPP 73 12 - GPP 76 07 86 12 - ABAND 85 07 84 10 87 10 - GPP 90 08 90 01
64	7.08	0.150	0.20	0.80	108	892	73	20 532	2 387.0	1963	89 12 - GPP
65 32 64 64 192 32 64 64 64 64 64 16 65 64	2.74 2.50 12.30 1.20 9.17 6.80 2.70 4.00 1.90 5.18 19.81 3.66 10.40	0.200 0.100 0.120 0.090 0.090 0.140 0.120 0.100 0.100 0.130 0.128 0.240 0.104	0.30 0.15 0.30 0.25 0.20 0.23 0.35 0.25 0.30 0.24 0.25 0.20 0.18	0.85 0.62 0.80 0.85 0.77 0.78 0.78 0.75 0.69 0.77 0.79 0.79 0.78	64 195 80 54 97 95 91 105 145 80 80 102	915 795 845 888 871 876 879 879 892 892 887 844 887	61 64 66 71 74 68 69 74 70 71 73 73 76	14 090 18 020 17 006 17 609 18 157 13 232 14 904 17 100 17 083 17 510 16 510 16 650 19 200	2 158.0 2 353.3 2 140.4 2 336.1 2 272.7 2 228.0 2 014.9 2 316.8 2 309.9 2 284.8 2 197.6 2 176.3 2 431.7	1976 1978 1981 1978 1985 1990 1986 1979 1987 1963 1962 1962 1963	83 12 - ABAND 80 11 91 10 - ABAND 91 08 89 12 - GPP 88 12 89 08 91 12 - GPP 91 03 82 12 - ABAND 89 07 88 05 - GPP 90 12 92 11 - ABAND 71 05 92 12 - GPP 88 12 - GPP
967 66 192	6.12 5.79 10.47	0.130 0.100 0.130	0.25 0.25 0.22	0.78 0.78 0.78	96 93 96	887 887 887	68 71 71	17 310 16 890 15 673	2 278.3 2 236.9 2 242.5	1962 1962 1960	92 09 - GPP 64 04 - ABAND 66 10 83 05 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SYLVAN LAKE 037-03W5 (CONTINUED)								
JURASSIC D	1 659.0	0.08		133.0		133.0	60.7	72.3
JURASSIC E	730.0	0.04		29.2		29.2	22.7	6.5
JURASSIC I	375.0	0.05		18.8		18.8	1.1	17.7
JURASSIC K	180.0	0.15		27.0		27.0		27.0
JURASSIC M	184.0	<0.09		16.5		16.5	16.5	
JURASSIC N	909.0	<0.03		20.7		20.7	17.7	3.0
JURASSIC P	261.0	<0.01		0.1		0.1	0.1	
JURASSIC R	157.0	0.10		15.7		15.7	7.9	7.8
JURASSIC T	183.0	<0.01		0.9		0.9	0.9	
JURASSIC U	374.0	<0.01		0.3		0.3	0.3	
JURASSIC W	357.0	<0.01		0.1		0.1	0.1	
JURASSIC CC	177.0	<0.01		0.4		0.4	0.4	
JURASSIC FF	471.0	0.05		23.6		23.6	12.3	11.3
JURASSIC GG	77.9	0.05		3.9		3.9	0.8	3.1
ELKTON F	454.0	0.10		45.4		45.4	40.5	4.9
ELKTON J	460.0	0.06		27.6		27.6	19.9	7.7
ELKTON K	189.0	0.15		28.4		28.4	21.4	7.0
ELKTON L	607.0	0.10		60.7		60.7	23.9	36.8
ELKTON-SHUNDA D	4 250.0	0.20		850.0		850.0	737.3	112.7
ELKTON-SHUNDA E	750.0	0.30		225.0		225.0	145.3	79.7
ELKTON-SHUNDA G	515.0	0.05		25.8		25.8	19.9	5.9
SHUNDA C	126.0	0.02		2.5		2.5	2.1	0.4
SHUNDA E	82.0	0.08		6.6		6.6	6.6	
SHUNDA G	37.2	<0.01		0.2		0.2	0.2	
SHUNDA H	209.0	0.10		20.9		20.9	0.1	20.8
SHUNDA I	213.0	0.05		10.7		10.7	0.4	10.3
PEKISKO A	30.0	0.01		0.3		0.3	0.1	0.2
PEKISKO B	10 130.0	0.30		3 039.0		3 039.0	2 180.7	858.3
PEKISKO C	3 980.0	0.30		1 194.0		1 194.0	913.6	280.4
PEKISKO D	1 910.0	0.25		478.0		478.0	428.6	49.4
PEKISKO E	161.0	<0.02		2.5		2.5	2.5	
PEKISKO G	179.0	<0.01		0.1		0.1	0.1	
PEKISKO M	105.0	<0.01		0.1		0.1	0.1	
PEKISKO Q	288.0	0.05		14.4		14.4	5.1	9.3
PEKISKO R	269.0	<0.02		3.0		3.0	3.0	
PEKISKO S	268.0	<0.01		2.6		2.6	2.6	
PEKISKO T	155.0	<0.01		0.5		0.5	0.5	
PEKISKO U	384.0	0.15		57.6		57.6	20.0	37.6
PEKISKO X	216.0	0.10		21.6		21.6	0.4	21.2
PEKISKO Y	89.0	<0.01		0.8		0.8	0.8	
D-3 A	821.0	<0.02		9.3		9.3	9.3	
D-3 B	944.0	0.10		94.4		94.4	43.3	51.1
D-3 C	785.0	0.18		141.0		141.0	83.5	57.5
FIELD TOTAL	54 793.9			8 417.1		8 417.1	6 030.1	2 387.0
TANGENT 080-24W5								
TRIASSIC F	137.0	<0.01		0.1		0.1	0.1	
D-1 A	485.0	0.22		107.0		107.0	98.2	8.8
D-1 B	84.9	<0.11		8.5		8.5	8.5	
D-1 C	246.0	<0.07		14.9		14.9	14.9	
D-1 D	104.0	0.35		36.4		36.4	19.8	16.6
D-1 E	677.0	0.20		135.0		135.0	107.4	27.6
D-1 F	552.0	0.12		66.2		66.2	53.2	13.0
D-1 G	94.0	0.10		9.4		9.4	2.2	7.2
D-1 H	643.0	0.20		129.0		129.0	65.9	63.1
D-1 I	215.0	0.20		43.0		43.0	40.4	2.6
D-1 J	278.0	<0.02		5.2		5.2	5.2	
D-1 K	368.0	0.06		22.1		22.1	15.9	6.2
D-1 L	149.0	0.30		44.7		44.7	30.5	14.2
D-1 M	336.0	0.35		118.0		118.0	96.1	21.9
D-1 N	260.0	<0.01		0.1		0.1	0.1	
D-1 O	175.0	<0.02		3.0		3.0	3.0	
D-1 P	376.0	0.15		56.4		56.4	32.1	24.3
D-1 Q	155.0	0.07		10.9		10.9	6.3	4.6
D-1 R	332.0	0.20		66.4		66.4	35.0	31.4
D-1 S	188.0	<0.02		2.6		2.6	2.6	
D-1 T	120.0	0.10		12.0		12.0	0.1	11.9
D-1 U	176.0	<0.05		7.2		7.2	7.2	
D-1 V	298.0	0.22		65.6		65.6	57.5	8.1
D-1 W	24.0	<0.01		0.1		0.1	0.1	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
253	7.80	0.140	0.23	0.78	94	887	71	17 053	2 205.1	1962	92 08 - GPP
65	12.80	0.150	0.25	0.78	95	898	67	17 070	2 211.9	1964	89 12 - GPP
65	10.97	0.090	0.25	0.78	95	887	71	17 070	2 222.6	1964	85 11 - GPP
64	3.80	0.120	0.23	0.80	83	890	68	15 664	2 226.3	1968	92 05
64	5.53	0.090	0.25	0.77	103	887	71	16 800	2 202.8	1962	85 12 - GPP
192	7.33	0.120	0.31	0.78	83	890	68	17 921	2 269.2	1982	86 03 - GPP
64	6.80	0.110	0.30	0.78	88	933	60	17 650	2 311.9	1983	84 03 - ABAND 84 09
64	5.10	0.103	0.40	0.78	95	919	65	17 871	2 263.5	1983	84 06 - GPP
64	3.40	0.150	0.30	0.80	83	889	68	15 374	2 303.0	1984	86 01 - ABAND 86 01
64	7.50	0.135	0.26	0.78	98	867	55	17 235	2 239.0	1981	88 12 - ABAND 87 11
64	5.20	0.170	0.19	0.78	98	895	55	15 000	2 232.7	1985	88 12 - ABAND 89 06
64	4.30	0.110	0.25	0.78	100	884	76	16 457	2 262.0	1987	88 03 - ABAND 89 03
128	4.72	0.130	0.25	0.80	78	871	70	16 968	2 304.7	1987	92 12 - GPP
32	3.00	0.130	0.22	0.80	89	894	69	18 563	2 338.8	1989	91 04 - GPP
64	11.09	0.100	0.18	0.78	89	887	76	18 890	2 433.8	1963	87 12 - GPP
64	13.00	0.100	0.35	0.85	95	886	64	17 923	2 393.1	1984	89 10 - GPP
64	4.00	0.120	0.25	0.82	72	911	73	16 846	2 217.1	1984	88 12
64	13.50	0.150	0.40	0.78	75	913	70	16 801	2 351.8	1989	91 12
1 620	4.20	0.104	0.24	0.79	93	887	68	17 310	2 267.1	1962	92 01 - GPP
318	4.25	0.108	0.35	0.79	92	881	71	17 271	2 255.8	1953	92 01 - GPP
105	6.50	0.140	0.30	0.77	74	895	71	17 364	2 304.2	1982	92 08
65	1.83	0.170	0.20	0.78	96	892	72	16 800	2 192.7	1972	82 12 - GPP
64	3.20	0.080	0.35	0.77	100	908	70	16 637	2 317.6	1985	88 04 - ABAND 87 09
64	2.82	0.050	0.51	0.84	75	925	70	16 536	2 284.8	1987	89 12
64	5.52	0.110	0.36	0.84	75	925	70	17 232	2 276.7	1987	88 06
64	6.25	0.110	0.38	0.78	92	892	52	15 995	2 318.3	1988	90 11
16	3.09	0.105	0.24	0.76	88	886	64	17 229	2 321.8	1962	92 12
1 314	9.93	0.120	0.16	0.77	92	887	69	17 100	2 227.1	1962	92 04
774	8.24	0.100	0.20	0.78	93	887	72	17 440	1 194.0	1962	92 06 - GPP
487	6.58	0.102	0.20	0.73	121	849	76	17 510	2 257.7	1960	88 12 - GPP
27	8.23	0.105	0.20	0.86	85	921	73	15 860	2 154.3	1963	73 02
16	28.04	0.069	0.25	0.77	62	969	89	17 510	2 153.1	1963	92 11
16	7.01	0.140	0.13	0.77	94	887	67	17 480	2 292.7	1964	65 12 - ABAND 68 03
131	4.10	0.100	0.33	0.80	121	849	76	16 870	2 267.6	1983	91 03 - GPP
64	8.00	0.105	0.35	0.77	145	825	63	17 488	2 263.9	1984	89 12 - GPP
64	9.60	0.070	0.20	0.78	145	825	63	16 576	2 194.3	1985	92 07 - ABAND 92 01
64	5.00	0.090	0.30	0.77	88	860	74	16 799	2 354.9	1986	87 01 - ABAND 87 03
94	5.06	0.140	0.21	0.73	122	857	74	16 672	2 250.2	1989	92 10 - GPP
32	6.80	0.170	0.25	0.78	88	886	74	17 624	2 280.5	1990	91 10
16	8.10	0.110	0.20	0.78	88	887	74	15 248	2 271.4	1991	92 03 - ABAND 91 09
500	6.16	0.056	0.15	0.56	262	792	79	24 340	2 881.9	1961	92 12 - ABAND 87 11
376	6.10	0.066	0.19	0.77	128	770	85	18 114	2 982.1	1986	92 05 - GPP
64	25.00	0.075	0.15	0.77	170	800	88	18 478	3 009.1	1986	92 12
64	2.00	0.190	0.25	0.75	105	900	36	8 026	856.0	1983	92 10
32	50.50	0.050	0.24	0.79	78	839	62	18 804	1 783.5	1981	90 12 - GPP
64	6.00	0.040	0.30	0.79	80	839	55	18 591	1 763.5	1982	82 10 - ABAND 89 05
64	21.30	0.030	0.24	0.79	75	839	68	16 360	1 783.5	1982	84 02 - ABAND 88 05
64	15.00	0.026	0.50	0.83	62	845	60	16 460	1 766.3	1983	90 12
32	67.80	0.050	0.21	0.79	82	839	56	18 579	1 781.9	1983	90 12 - GPP
64	28.17	0.057	0.32	0.79	80	855	58	18 949	1 830.9	1983	92 12 - GPP
16	42.50	0.025	0.30	0.79	84	843	58	18 520	1 773.0	1983	90 12 - GPP
40	62.00	0.040	0.20	0.81	77	859	60	18 976	1 800.1	1987	92 07 - GPP
32	45.00	0.030	0.40	0.83	67	823	62	18 334	1 774.0	1983	90 12 - GPP
64	62.30	0.014	0.37	0.79	62	850	36	18 423	1 769.2	1983	92 10
32	44.37	0.040	0.18	0.79	62	823	58	19 580	1 882.5	1984	90 12 - GPP
32	28.50	0.030	0.31	0.79	80	843	58	16 900	1 776.5	1984	91 12
32	46.20	0.040	0.28	0.79	80	843	59	17 713	1 761.9	1984	90 12 - GPP
64	17.40	0.040	0.26	0.79	88	903	54	18 972	1 799.3	1984	88 12 - ABAND 89 07
32	31.70	0.030	0.27	0.79	78	840	60	18 262	1 802.9	1984	92 03 - ABAND 91 12
32	66.40	0.040	0.44	0.79	72	827	64	12 639	1 787.8	1984	91 12 - GPP
32	21.40	0.035	0.22	0.83	62	855	60	18 979	1 813.8	1984	90 12 - GPP
32	30.98	0.053	0.20	0.79	78	827	59	17 794	1 804.9	1984	90 12 - GPP
64	19.70	0.030	0.40	0.83	62	857	58	18 445	1 783.1	1984	85 05 - ABAND 87 02
16	82.00	0.020	0.45	0.83	62	843	60	17 716	1 772.7	1985	91 12 - GPP
16	81.50	0.025	0.35	0.83	62	843	60	17 728	1 782.5	1985	90 12 - ABAND 88 10
16	52.80	0.050	0.15	0.83	62	843	60	18 217	1 801.2	1985	91 02
16	7.50	0.040	0.40	0.83	62	843	60	16 708	1 775.5	1985	90 12

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
TANGENT 080-24W5 (CONTINUED)								
D-1 X	79.6	<0.01		0.2		0.2	0.2	
D-1 Y	204.0	0.30		61.2		61.2	35.3	25.9
D-1 Z	492.0	<0.04		14.9		14.9	14.9	
D-1 AA	623.0	0.20		125.0		125.0	30.2	94.8
D-1 BB	453.0	0.10		45.3		45.3	17.0	28.3
D-1 CC	423.0	0.10		42.3		42.3	23.3	19.0
D-1 DD	33.2	<0.08		2.5		2.5	2.5	
D-1 EE	143.0	0.20		28.6		28.6	6.8	21.8
D-1 FF	39.8	0.20		8.0		8.0	2.6	5.4
D-1 GG	171.0	0.35		59.9		59.9	13.5	46.4
D-1 HH	161.0	0.35		56.4		56.4	24.6	31.8
D-1 II	226.0	0.15		33.9		33.9	6.0	27.9
D-1 JJ	986.0	0.20		197.0		197.0	31.3	165.7
D-1 KK	258.0	<0.02		5.0		5.0	5.0	
D-1 LL	398.0	0.15		59.7		59.7	20.1	39.6
D-1 MM	16.8	<0.04		0.6		0.6	0.6	
D-1 NN	73.0	<0.05		3.4		3.4	3.4	
D-1 OO	134.0	0.10		13.4		13.4	8.2	5.2
D-1 PP	116.0	0.30		34.8		34.8	17.8	17.0
D-1 QQ	80.0	0.10		8.0		8.0	0.5	7.5
D-1 RR	115.0	0.20		23.0		23.0	7.1	15.9
D-1 SS	103.0	0.20		20.6		20.6	5.3	15.3
D-1 TT	102.0	0.20		20.4		20.4	3.0	17.4
D-1 UU	122.0	0.30		36.6		36.6	18.0	18.6
D-1 VV	247.0	0.10		24.7		24.7	4.9	19.8
D-1 WW	361.0	0.20		72.2		72.2	45.8	26.4
D-1 XX	275.0	0.30		82.5		82.5	6.6	75.9
D-1 YY	480.0	0.30		144.0		144.0	17.0	127.0
D-1 ZZ	190.0	0.35		66.6		66.6	10.9	55.7
D-1 AAA	103.0	0.35		36.1		36.1	23.3	12.8
D-1 BBB	118.0	<0.01		1.0		1.0	1.0	
D-1 CCC	194.0	0.30		58.2		58.2	8.0	50.2
D-1 DDD	91.8	0.25		23.0		23.0	2.6	20.4
D-1 EEE	132.0	0.15		19.8		19.8	7.5	12.3
D-1 FFF	111.0	0.10		11.1		11.1	1.6	9.5
D-1 GGG	150.0	0.20		30.0		30.0	11.0	19.0
D-1 HHH	34.3	0.35		12.0		12.0	6.1	5.9
D-1 JJJ	33.0	0.35		11.6		11.6	2.0	9.6
D-1 KKK	345.0	<0.04		12.4		12.4	12.4	
D-1 LLL	191.0	0.05		9.6		9.6	5.2	4.4
FIELD TOTAL	15 081.4			2 479.3		2 479.3	1 165.4	1 313.9
TEEPEE 074-04W6								
CHARLIE LAKE A	74.9	0.15		11.2		11.2	7.6	3.6
FIELD TOTAL	74.9			11.2		11.2	7.6	3.6
THORSBY 049-01W5								
GLAUCONITIC A	5 400.0	0.08		432.0		432.0	241.4	190.6
GLAUCONITIC B	500.0	0.10		50.0		50.0	39.5	10.5
GLAUCONITIC C	173.0	<0.01		0.5		0.5	0.5	
GLAUCONITIC G	210.0	<0.01		1.2		1.2	1.2	
OSTRACOD A	78.7	<0.01		0.2		0.2	0.2	
FIELD TOTAL	6 361.7			483.9		483.9	282.8	201.1
THREE HILLS CREEK 035-25W4								
VIKING B	105.0	0.20		21.0		21.0	14.4	6.6
PEKISKO	66.0	<0.03		1.6		1.6	1.6	
PEKISKO B	752.0	0.10		75.2		75.2	38.8	36.4
D-2 A	82.1	0.20		16.4		16.4	6.9	9.5
D-3 A	193.0	<0.01		0.7		0.7	0.7	
FIELD TOTAL	1 198.1			114.9		114.9	62.4	52.5
TINDASTOLL 036-01W5								
BELLY RIVER A	2 798.0	0.10		280.0		280.0	142.3	137.7
BELLY RIVER B	120.0	0.03		3.6		3.6	3.0	0.6
BELLY RIVER C	248.0	<0.01		0.1		0.1	0.1	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	30.70	0.010	0.50	0.81	77	843	59	17 738	1 783.7	1985	86 03 - ABAND 87 08
32	21.90	0.045	0.22	0.83	62	843	60	16 688	1 776.4	1986	90 12 - GPP
16	100.10	0.050	0.24	0.81	77	847	60	17 186	1 827.5	1987	90 12 - ABAND 90 10
32	54.30	0.060	0.28	0.83	62	844	60	17 299	1 796.7	1987	90 12 - GPP
32	53.90	0.040	0.19	0.81	77	858	59	17 270	1 813.4	1987	92 09 - GPP
32	44.10	0.041	0.12	0.83	62	815	60	18 371	1 771.5	1987	90 12 - GPP
16	8.73	0.040	0.31	0.86	62	845	60	16 986	1 742.2	1987	90 12 - ABAND 89 09
16	33.60	0.040	0.18	0.81	77	859	55	17 628	1 807.6	1988	90 12 - GPP
16	12.65	0.030	0.24	0.86	77	859	60	18 531	1 751.5	1985	90 12 - GPP
32	15.30	0.050	0.16	0.83	62	845	60	16 536	1 732.2	1989	90 12 - GPP
32	24.90	0.030	0.19	0.83	62	833	60	17 093	1 782.1	1989	90 12 - GPP
16	23.00	0.090	0.18	0.83	62	845	60	19 509	1 854.5	1989	90 12 - GPP
32	89.40	0.050	0.17	0.83	62	845	60	16 758	1 785.1	1989	90 11 - GPP
16	28.20	0.080	0.14	0.83	62	845	60	18 542	1 801.9	1989	92 12 - ABAND 92 01
16	92.70	0.040	0.19	0.83	62	845	60	17 641	1 798.3	1989	90 12 - GPP
16	6.90	0.023	0.20	0.83	62	833	60	18 255	1 808.5	1989	90 04 - ABAND 90 07
32	6.20	0.060	0.26	0.83	62	845	60	17 927	1 724.3	1989	92 10 - ABAND 92 08
16	32.40	0.040	0.25	0.86	77	859	60	17 951	1 764.1	1988	90 12 - GPP
64	7.80	0.040	0.30	0.83	62	845	60	18 195	1 796.2	1990	91 12 - GPP
16	13.80	0.059	0.26	0.83	62	849	61	17 287	1 838.1	1990	91 05 - GPP
32	51.30	0.012	0.30	0.83	62	845	60	17 758	1 775.4	1990	91 07 - GPP
32	21.90	0.025	0.32	0.86	55	829	57	18 788	1 829.6	1990	91 07 - GPP
32	34.70	0.014	0.24	0.86	55	829	57	18 500	1 781.1	1990	91 06 - GPP
32	61.60	0.010	0.28	0.86	55	829	57	17 982	1 784.3	1990	92 12 - GPP
16	44.90	0.050	0.20	0.86	55	829	57	17 571	1 787.9	1990	91 11 - GPP
32	40.80	0.045	0.26	0.83	62	845	60	17 336	1 800.4	1988	91 02 - GPP
32	22.10	0.060	0.22	0.83	62	845	60		1 797.3	1990	91 02 - GPP
32	46.80	0.046	0.16	0.83	62	845	60	17 444	1 789.8	1990	91 03 - GPP
32	20.10	0.050	0.27	0.81	77	858	60	17 037	1 786.3	1991	91 05 - GPP
32	16.80	0.030	0.23	0.83	62	845	60	16 355	1 751.4	1991	91 06 - GPP
32	32.10	0.020	0.31	0.83	62	848	61	18 682	1 799.8	1991	92 03 - ABAND 91 09
32	18.00	0.050	0.19	0.83	62	848	61	17 421	1 751.8	1990	91 08 - GPP
32	12.00	0.040	0.28	0.83	62	848	61	17 575	1 750.9	1991	91 08 - GPP
32	15.10	0.040	0.18	0.83	62	845	60	16 929	1 741.5	1991	92 07 - GPP
16	14.10	0.070	0.18	0.86	55	829	57	18 607	1 800.0	1991	92 10 - GPP
32	18.90	0.040	0.28	0.86	55	829	57	17 218	1 838.2	1991	92 03 - GPP
32	5.20	0.040	0.40	0.86	55	829	57	17 132	1 795.0	1991	92 09 - GPP
32	10.00	0.020	0.40	0.86	55	829	57	17 000	1 780.0	1991	92 11 - GPP
32	45.00	0.040	0.26	0.81	77	859	60		1 792.2	1983	92 07 - ABAND 90 10
16	24.20	0.090	0.34	0.83	62	854	60	16 371	1 750.6	1985	92 12 - GPP
64	1.24	0.185	0.40	0.85	68	844	49	14 880	1 664.4	1987	91 12 - GPP
736	9.22	0.130	0.28	0.85	86	849	54	11 990	1 490.4	1979	92 02 - GPP
64	6.79	0.180	0.17	0.77	66	867	63	12 222	1 450.3	1973	88 03 - GPP
32	7.24	0.148	0.29	0.71	110	868	60	12 415	1 546.8	1979	92 11 - GPP
16	12.90	0.133	0.15	0.90	95	866	62	11 654	1 360.3	1985	92 12 - GPP
64	1.54	0.152	0.30	0.75	110	866	53	12 145	1 511.0	1981	87 12 - ABAND 90 08
192	1.13	0.100	0.43	0.85	67	822	56	8 352	1 588.0	1987	91 01 - GPP
65	5.58	0.037	0.40	0.82	71	860	66	11 720	1 794.1	1953	73 02 - GPP
256	7.76	0.060	0.24	0.83	63	774	64	11 524	1 856.3	1984	88 04 - GPP
64	4.70	0.050	0.22	0.70	130	841	65	17 135	2 150.0	1984	84 11 - GPP
64	9.50	0.080	0.25	0.53	291	763	62	17 106	2 233.5	1980	88 12 - GPP
904	3.50	0.150	0.33	0.88	50	827	40	5 951	1 175.8	1980	85 09 - GPP
16	9.80	0.150	0.42	0.88	52	865	35	5 642	1 184.3	1981	92 12 - GPP
64	3.70	0.170	0.30	0.88	36	876	43	6 072	1 197.0	1983	83 07 - ABAND 83 05

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
TINDASTOLL 036-01W5 (CONTINUED)								
BELLY RIVER E	275.0	<0.01		0.1		0.1	0.1	
BELLY RIVER F	442.0	0.02		8.8		8.8	1.1	7.7
BELLY RIVER G	87.4	<0.01		0.1		0.1	0.1	
VIKING A	58.2	0.15		8.7		8.7	4.8	3.9
VIKING B & LOWER MANNVILLE B	149.0	0.05		7.5		7.5	1.3	6.2
LOWER MANNVILLE A	122.0	<0.01		0.4		0.4	0.4	
PEKISKO A	114.0	0.03		3.4		3.4	1.9	1.5
FIELD TOTAL	4 413.6			312.7		312.7	155.1	157.6
TOMAHAWK 052-05W5								
OSTRACOD A	586.0	0.20		117.0		117.0	52.0	65.0
OSTRACOD B	218.0	0.15		32.7		32.7	18.6	14.1
OSTRACOD C	504.0	0.15		75.6		75.6	30.1	45.5
OSTRACOD D	438.0	0.15		65.7		65.7	32.9	32.8
OSTRACOD E	128.0	0.15		19.2		19.2	0.9	18.3
OSTRACOD F	491.0	0.15		73.7		73.7	13.7	60.0
OSTRACOD G	270.0	0.10		27.0		27.0	6.2	20.8
OSTRACOD I	191.0	0.10		19.1		19.1	1.4	17.7
NORDEGG A	1 250.0	0.05		62.5		62.5	25.8	36.7
NORDEGG B	1 468.0	0.10		147.0		147.0	49.8	97.2
BANFF B & C								
NORDEGG C & BANFF D	374.0	0.10		37.4		37.4	15.5	21.9
BANFF A	150.0	<0.01		0.1		0.1	0.1	
BANFF E	28.5	0.10		2.9		2.9	0.6	2.3
FIELD TOTAL *	6 096.5			679.9		679.9	247.6	432.3
TONY CREEK NORTH 064-21W5								
VIKING A	105.0	<0.01		0.4		0.4	0.4	
GETHING C	265.0	0.03		8.0		8.0	5.6	2.4
FIELD TOTAL	370.0			8.4		8.4	6.0	2.4
TRAVERS 013-21W4								
BOW ISLAND A	131.0	<0.01		1.1		1.1	1.1	
BOW ISLAND B	101.0	0.10		10.1		10.1		10.1
FIELD TOTAL	232.0			11.2		11.2	1.1	10.1
TROCHU 033-22W4								
BASAL QUARTZ A	922.0	0.05		46.1		46.1	31.9	14.2
BASAL QUARTZ B	762.0	0.03		22.9		22.9	10.6	12.3
BASAL QUARTZ D	71.4	0.05		3.6		3.6	0.6	3.0
FIELD TOTAL	1 755.4			72.6		72.6	43.1	29.5
TROUT 090-03W5								
KEG RIVER A	1 890.0	0.17		321.0		321.0	249.1	71.9
KEG RIVER C	423.0	0.20		84.6		84.6	21.9	62.7
KEG RIVER D	70.7	<0.01		0.4		0.4	0.4	
KEG RIVER E	103.0	0.10		10.3		10.3	1.4	8.9
KEG RIVER F	80.8	<0.01		0.1		0.1		0.1
KEG RIVER G	35.9	0.15		5.4		5.4	1.0	4.4
KEG RIVER H	132.0	<0.01		0.1		0.1	0.1	
KEG RIVER J	138.0	0.35		48.3		48.3	33.1	15.2
KEG RIVER K	566.0	0.35		198.0		198.0	91.7	106.3
KEG RIVER N	2 019.0	0.25		505.0		505.0	208.8	296.2
KEG RIVER O	217.0	0.10		21.7		21.7	5.0	16.7
KEG RIVER P	1 894.0	0.30		568.0		568.0	177.9	390.1
KEG RIVER R	192.0	0.15		28.8		28.8	6.6	22.2
KEG RIVER S	92.7	0.20		18.5		18.5	6.3	12.2
KEG RIVER T	139.0	0.05		7.0		7.0	0.6	6.4
KEG RIVER U	245.0	0.05		12.3		12.3	1.5	10.8
KEG RIVER V	69.3	0.25		17.3		17.3	3.7	13.6
KEG RIVER W	228.0	0.25		57.0		57.0	24.6	32.4
KEG RIVER X	71.2	<0.01		0.1		0.1	0.1	
KEG RIVER Y	131.0	0.20		26.2		26.2	11.5	14.7
KEG RIVER Z	189.0	0.25		47.3		47.3	12.1	35.2

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	4.10	0.170	0.30	0.88	36	815	43	5 081	1 160.0	1983	83 07 - ABAND 83 09
64	10.20	0.140	0.45	0.88	36	815	43	5 578	1 188.7	1983	89 12 - GPP
64	2.30	0.150	0.55	0.88	36	815	43	6 120	1 179.1	1988	89 02 - ABAND 89 06
64	0.80	0.220	0.37	0.82	68	844	64	13 789	1 717.6	1987	88 12
64	3.40	0.110	0.19	0.77	85	851	74	9 424	1 910.0	1988	88 12
16	13.00	0.120	0.30	0.70	155	897	70	27 500	1 997.8	1981	92 11 - ABAND 82 09
32	5.20	0.110	0.20	0.78	85	890	70	15 480	2 055.5	1982	92 12
467	1.84	0.130	0.31	0.76	115	882	61	15 508	1 723.8	1987	92 05 - GPP
64	3.30	0.140	0.17	0.89	91	834	65	15 571	1 695.1	1989	89 10 - GPP
128	3.91	0.160	0.16	0.75	50	909	50	15 147	1 664.8	1989	91 08 - GPP
128	3.96	0.160	0.29	0.76	115	868	61	15 402	1 700.2	1988	90 07 - GPP
64	2.00	0.180	0.33	0.83	68	870	43	15 584	1 725.2	1989	90 03 - GPP
64	5.20	0.210	0.10	0.78	73	875	68	14 939	1 642.6	1990	90 12 - GPP
32	7.40	0.180	0.29	0.89	91	975	65	14 380	1 703.0	1990	91 09
64	4.52	0.140	0.37	0.75	115	839	61	14 760	1 682.4	1990	91 05
277	4.93	0.180	0.34	0.77	115	887	53	15 112	1 651.8	1981	87 12
128	12.20	0.165	0.33	0.85	40	945	51	15 079	1 608.3	1984	87 04 - GPP
48	6.17	0.190	0.20	0.83	60	950	51	12 018	1 430.9	1986	88 04
64	5.00	0.090	0.40	0.87	100	885	50	15 842	1 619.3	1985	86 01 - ABAND 87 05
16	1.69	0.200	0.38	0.85	54	950	52	15 981	1 656.7	1987	88 07 - GPP
16	10.00	0.130	0.40	0.84	70	844	47	10 788	1 572.9	1984	92 10
64	6.16	0.120	0.30	0.80	74	887	82	14 780	1 880.3	1977	85 12 - GPP
64	1.80	0.160	0.20	0.89	70	882	32	7 503	1 057.3	1977	87 12 - ABAND 88 10
64	1.20	0.190	0.22	0.89	46	876	32	5 271	1 023.4	1991	92 05
64	15.41	0.200	0.45	0.85	60	873	52	8 833	1 479.4	1969	78 12 - GPP
128	6.83	0.180	0.43	0.85	52	873	49	8 786	1 520.0	1982	85 12 - GPP
32	2.90	0.170	0.48	0.87	42	887	70	8 885	1 495.5	1990	91 04 - GPP
1 377	2.54	0.088	0.34	0.93	23	835	39	6 922	1 358.8	1984	88 06 - GPP
355	3.05	0.070	0.40	0.93	38	834	39	13 840	1 461.7	1985	92 10 - GPP
64	3.04	0.071	0.45	0.93	38	827	39	13 784	1 443.6	1985	89 12 - ABAND 90 06
64	3.00	0.090	0.36	0.93	38	833	39	13 819	1 479.6	1985	87 12 - GPP
64	2.42	0.092	0.39	0.93	23	832	39	12 865	1 291.8	1986	89 12
16	4.00	0.090	0.33	0.93	23	847	39	14 035	1 470.2	1986	92 09 - GPP
64	3.10	0.115	0.38	0.93	23	843	39	13 593	1 426.9	1985	88 12 - ABAND 90 06
64	5.00	0.066	0.30	0.93	23	835	39	13 901	1 485.4	1987	92 12 - GPP
128	7.05	0.095	0.29	0.93	23	830	39	13 859	1 431.5	1987	87 09
384	8.78	0.087	0.26	0.93	23	835	39	13 881	1 453.0	1986	88 12
64	8.26	0.079	0.44	0.93	23	842	39	13 868	1 450.9	1987	88 01 - GPP
610	4.88	0.090	0.24	0.93	23	830	39	14 173	1 464.4	1987	90 01
64	4.50	0.110	0.35	0.93	23	830	39	14 247	1 470.7	1987	88 04 - GPP
64	3.95	0.068	0.42	0.93	23	820	39	14 018	1 455.0	1987	88 05 - GPP
64	4.50	0.081	0.36	0.93	23	823	39	13 932	1 447.4	1987	88 06 - GPP
64	6.30	0.096	0.32	0.93	23	835	39	13 890	1 457.7	1987	88 06 - GPP
64	3.60	0.049	0.34	0.93	23	823	39	13 108	1 488.2	1987	88 07 - GPP
64	8.40	0.060	0.24	0.93	23	823	39	13 627	1 458.4	1987	88 07 - GPP
64	4.60	0.065	0.60	0.93	23	840	39	13 172	1 423.7	1986	92 10
64	4.52	0.080	0.39	0.93	23	835	39	13 484	1 466.9	1989	89 10
64	5.19	0.090	0.32	0.93	23	835	39	12 921	1 468.0	1989	89 12

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
TROUT 090-03W5 (CONTINUED)								
KEG RIVER AA	243.0	0.25		60.8		60.8	3.7	57.1
KEG RIVER BB	238.0	0.20		47.6		47.6	11.0	36.6
KEG RIVER CC	389.0	0.25		97.3		97.3	9.7	87.6
KEG RIVER DD	25.0	0.20		5.0		5.0	1.9	3.1
KEG RIVER- GRANITE WASH A	1 523.0	0.13		198.0		198.0	155.9	42.1
KEG RIVER- GRANITE WASH B	1 470.0	0.35		515.0		515.0	307.0	208.0
FIELD TOTAL	12 814.6			2 901.1		2 901.1	1 346.6	1 554.5
TURIN 010-18W4								
UPPER MANNVILLE B	386.0	0.10		38.6		38.6	16.2	22.4
UPPER MANNVILLE C	2 060.0	0.35		721.0		721.0	433.5	287.5
UPPER MANNVILLE H	2 400.0	0.25	0.10	600.0	234.0	834.0	516.0	318.0
WATER FLOOD								
UPPER MANNVILLE I	29.9	0.02		0.6		0.6	0.6	
UPPER MANNVILLE J	1 110.0	0.10		111.0		111.0	79.0	32.0
UPPER MANNVILLE L	51.5	0.10		5.2		5.2	4.0	1.2
UPPER MANNVILLE N	533.0	0.15		80.0		80.0	44.2	35.8
LOWER MANNVILLE B	198.0	0.02		4.0		4.0	3.1	0.9
LOWER MANNVILLE E	2 039.0	0.25		510.0		510.0	211.0	299.0
LOWER MANNVILLE G	72.8	<0.05		3.1		3.1	3.1	
LOWER MANNVILLE H	731.0	0.02		14.6		14.6	9.1	5.5
LOWER MANNVILLE L	1 670.0	0.15		250.0		250.0	231.3	18.7
LOWER MANNVILLE M	218.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE N	81.3	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE O	92.6	0.05		4.6		4.6	0.7	3.9
LOWER MANNVILLE P	41.8	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE V	483.0	0.10		48.3		48.3	21.8	26.5
LOWER MANNVILLE X	113.0	0.15		17.0		17.0	11.2	5.8
LOWER MANNVILLE BB	96.8	0.05		4.8		4.8	0.8	4.0
LOWER MANNVILLE CC	799.0	0.10		79.9		79.9	43.3	36.6
LOWER MANNVILLE DD	224.0	0.10		22.4		22.4	20.3	2.1
LOWER MANNVILLE HH	89.2	0.10		8.9		8.9	1.4	7.5
LOWER MANNVILLE II	1 542.0			207.0	52.5	260.0	145.9	114.1
TOTAL								
PRIMARY AREA	492.0	0.10		49.2		49.2		
WATER FLOOD AREA	1 050.0	0.15	0.05	158.0	52.5	211.0		
LOWER MANNVILLE KK	70.2	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE LL	348.0	0.10		34.8		34.8	11.7	23.1
LOWER MANNVILLE MM	610.0	0.20		122.0		122.0	62.2	59.8
LOWER MANNVILLE NN	138.0	<0.04		5.5		5.5	5.5	
LOWER MANNVILLE OO	48.4	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE PP	57.4	0.10		5.7		5.7	3.6	2.1
LOWER MANNVILLE QQ	257.0	0.10		25.7		25.7	0.7	25.0
LOWER MANNVILLE RR	57.0	0.15		8.6		8.6	6.8	1.8
LOWER MANNVILLE SS	86.5	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE TT	470.0	0.15		70.5		70.5	50.8	19.7
LOWER MANNVILLE	667.0	0.20		133.0		133.0	99.0	34.0
EE, FF & GG								
LOWER MANNVILLE AAA	133.0	0.13		17.2		17.2	13.3	3.9
LOWER MANNVILLE BBB	738.0	0.20		148.0		148.0	59.3	88.7
LOWER MANNVILLE CCC	102.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE FFF	198.0	0.05		9.9		9.9	5.9	4.0
LOWER MANNVILLE GGG	165.0	0.05		8.3		8.3	6.8	1.5
LOWER MANNVILLE KKK	89.9	0.10		9.0		9.0	4.8	4.2
LOWER MANNVILLE LLL	178.0	0.10		17.8		17.8	1.6	16.2
LOWER MANNVILLE NNN	488.0	0.10		48.8		48.8	16.2	32.6
LOWER MANNVILLE OOO	239.0	0.10		23.9		23.9	3.1	20.8
LOWER MANNVILLE UUU	343.0	0.15		51.5		51.5	34.4	17.1
LOWER MANNVILLE XXX	36.8	0.20		7.4		7.4	2.4	5.0
LOWER MANNVILLE YYY	203.0	<0.05		9.2		9.2	9.2	
LOWER MANNVILLE A2A	97.0	0.05		4.9		4.9	0.2	4.7
LOWER MANNVILLE B2B	650.0	0.10		65.0		65.0	32.4	32.6
LOWER MANNVILLE C2C	26.0	0.20		5.2		5.2		5.2
LIVINGSTONE A	389.0	0.25		97.3		97.3	44.3	53.0
LIVINGSTONE B	39.8	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	21 986.9			3 662.4	286.5	3 949.4	2 272.9	1 676.5

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	9.60	0.070	0.38	0.91	32	824	39	14 902	1 467.9	1990	91 04 - GPP
64	5.70	0.090	0.22	0.93	23	835	39	12 445	1 457.5	1990	91 04 -
64	6.30	0.140	0.25	0.92	25	825	39	11 596	1 457.8	1991	91 07 -
32	2.10	0.070	0.43	0.93	23	835	39	12 500	1 465.8	1991	91 11 - GPP
256	14.00	0.070	0.34	0.92	23	831	39	14 687	1 506.5	1987	92 12 - GPP
515	5.93	0.075	0.31	0.93	23	834	39	13 724	1 461.4	1986	88 10
128	2.71	0.190	0.31	0.85	63	904	31	11 360	1 080.4	1973	89 08 - GPP
280	4.62	0.240	0.21	0.84	72	881	32	11 220	1 000.7	1974	92 08
400	5.37	0.200	0.35	0.86	68	869	31	11 221	1 013.0	1980	88 04 - GPP
16	2.50	0.150	0.42	0.86	70	869	31	10 467	999.1	1983	92 12 - GPP
160	8.84	0.160	0.43	0.86	68	831	31	10 806	982.7	1982	92 03 - GPP
64	0.90	0.160	0.35	0.86	68	831	31	10 768	1 023.0	1983	83 04 - GPP
128	4.14	0.190	0.37	0.84	72	866	32	11 464	1 096.4	1979	92 12 - GPP
100	1.80	0.190	0.32	0.85	62	881	36	11 480	1 062.2	1961	92 12 -
394	4.50	0.190	0.32	0.89	65	887	32	12 100	1 095.7	1973	92 03 - GPP
64	1.52	0.160	0.45	0.85	33	876	66	11 620	1 068.9	1961	82 12 -
192	3.15	0.210	0.33	0.86	85	881	38	11 270	1 053.4	1974	89 11 - GPP
429	3.70	0.180	0.35	0.90	38	893	32	11 176	993.8	1974	85 09 - GPP
65	3.96	0.180	0.50	0.94	25	940	32	10 480	1 025.7	1974	82 12 -
32	2.44	0.180	0.35	0.89	53	887	32	11 135	1 008.6	1975	78 07 -
64	2.16	0.120	0.35	0.86	59	898	34	11 300	1 047.0	1976	79 02 - GPP
32	2.50	0.100	0.45	0.95	21	930	33	11 290	1 037.0	1977	83 12 -
256	1.98	0.160	0.30	0.85	110	880	37	11 681	1 100.8	1979	83 12 - GPP
155	0.75	0.150	0.28	0.90	38	889	32	11 082	1 007.3	1981	88 12 - GPP
16	3.70	0.210	0.18	0.95	20	956	33	10 924	1 000.2	1981	89 12 - GPP
456	1.32	0.218	0.30	0.87	60	871	31	11 186	1 014.8	1980	85 07 - GPP
121	1.50	0.200	0.30	0.88	45	866	49	11 175	1 015.0	1980	85 12 - GPP
64	1.50	0.180	0.40	0.86	62	887	32	11 321	1 052.2	1974	83 06 -
473					87	887	35	11 394	1 060.3	1973	92 05
200	2.58	0.190	0.38	0.81							
273	4.03	0.190	0.38	0.81							
64	1.70	0.150	0.50	0.86	62	887	32	10 391	1 092.2	1983	89 12 - ABAND 90 02
64	5.40	0.180	0.31	0.81	86	817	35	11 508	1 073.2	1983	84 07 - GPP
300	1.75	0.180	0.25	0.86	62	887	32	11 588	1 095.4	1984	90 11 - GPP
32	2.75	0.240	0.23	0.85	86	887	35	11 107	1 092.3	1984	92 10 -
32	2.00	0.120	0.30	0.90	38	892	32	11 076	1 005.7	1984	84 11 - ABAND 87 05
16	2.00	0.240	0.17	0.90	38	892	32	11 018	999.0	1984	84 11 - GPP
64	2.50	0.220	0.15	0.86	62	887	32	11 202	1 090.8	1984	85 06 - GPP
64	0.92	0.150	0.25	0.86	62	887	32	9 896	1 010.3	1984	87 12 - GPP
32	2.00	0.190	0.21	0.90	38	892	32	11 058	1 006.0	1985	85 08 - ABAND 86 03
161	2.77	0.180	0.35	0.90	38	893	32	11 176	993.8	1969	85 09 - GPP
128	3.63	0.190	0.16	0.90	68	889	30	11 036	1 015.0	1981	91 12 - GPP
64	1.96	0.190	0.38	0.90	38	892	32	11 125	1 067.7	1982	90 12 - GPP
380	2.63	0.160	0.43	0.81	86	890	35	11 093	1 074.8	1983	92 10 - GPP
64	1.30	0.190	0.28	0.90	38	892	37	11 752	1 013.2	1985	92 10 -
128	2.06	0.160	0.42	0.81	86	890	35	11 701	1 016.4	1986	89 04 - GPP
64	2.10	0.220	0.31	0.81	87	887	35	11 478	1 060.3	1974	87 02 - GPP
64	1.70	0.170	0.40	0.81	86	890	35	11 781	978.8	1988	91 12 - GPP
64	2.00	0.200	0.27	0.95	17	880	29	10 822	1 073.0	1988	88 10 - GPP
191	2.93	0.190	0.44	0.82	84	887	32	10 463	1 017.9	1988	90 06 - GPP
64	3.50	0.200	0.35	0.82	84	887	32	10 747	1 002.8	1988	89 03 - GPP
177	2.20	0.160	0.32	0.81	86	891	35	10 811	1 098.1	1980	91 06 -
16	2.40	0.190	0.44	0.90	38	902	32	10 793	1 034.2	1990	91 01 - GPP
64	3.50	0.170	0.35	0.82	84	887	32	11 053	1 066.7	1979	92 06 - ABAND 92 03
16	4.80	0.180	0.22	0.90	37	892	32	10 873	1 095.2	1990	91 07 -
222	3.46	0.180	0.42	0.81	87	887	35	10 062	1 030.5	1985	92 05 - GPP
16	2.00	0.180	0.45	0.82	84	887	32	10 370	1 091.2	1991	92 05 - GPP
178	2.10	0.180	0.32	0.85	63	887	42	11 230	1 082.7	1987	92 06 - GPP
64	3.00	0.050	0.50	0.83	83	842	29	11 354	1 022.0	1986	91 09 - ABAND 91 01

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 103m3	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 103m3	REMAINING ESTABLISHED RESERVES 103m3
		PRIMARY frac	ENHANCED frac	PRIMARY 103m3	ENHANCED 103m3	TOTAL 103m3		
TURNER VALLEY O20-03W5								
CARDIUM A	266.0	0.05		13.3		13.3	1.5	11.8
BLAIRMORE C	90.7	<0.02		1.8		1.8	1.8	
BLAIRMORE A & B	202.0	<0.03		5.3		5.3	5.3	
RUNDLE WATER FLOOD	159 000.0	0.13	0.02	20 670.0	3 180.0	23 850.0	22 748.9	1 101.1
RUNDLE B	355.0	0.03		10.7		10.7	3.6	7.1
RUNDLE D	262.0	<0.02		3.8		3.8	3.8	
SHALLOW	715.0	0.12		85.8		85.8	64.4	21.4
FIELD TOTAL	160 890.7			20 790.7	3 180.0	23 970.7	22 829.3	1 141.4
TWINING O31-24W4								
UPPER MANNVILLE B	143.0	<0.01		1.0		1.0	1.0	
UPPER MANNVILLE H	1 000.0	0.20		200.0		200.0	85.1	114.9
GLAUCONITIC A	101.0	0.02		2.0		2.0	1.3	0.7
GLAUCONITIC B	75.4	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE B	1 810.0	0.05	0.15	90.5	272.0	363.0	338.6	24.4
WATER FLOOD								
LOWER MANNVILLE C	249.0	0.10		24.9		24.9	8.6	16.3
LOWER MANNVILLE F	100.0	0.11		11.0		11.0	11.0	
LOWER MANNVILLE G	236.0	0.15		35.4		35.4	25.8	9.6
LOWER MANNVILLE H	194.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE J	295.0	0.10		29.5		29.5	23.9	5.6
LOWER MANNVILLE M	95.9	0.03		2.9		2.9	2.8	0.1
LOWER MANNVILLE N	215.0	0.10		21.5		21.5	12.0	9.5
LOWER MANNVILLE O	323.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE P	164.0	0.20		32.8		32.8	30.7	2.1
LOWER MANNVILLE Q	209.0	0.05		10.5		10.5	3.4	7.1
LOWER MANNVILLE U	140.0	0.15		21.0		21.0	12.9	8.1
LOWER MANNVILLE V	40.0	0.10		4.0		4.0	2.9	1.1
RUNDLE E	117.0	0.10		11.7		11.7	1.4	10.3
RUNDLE F	91.3	<0.01		0.3		0.3	0.3	
RUNDLE G	118.0	<0.01		0.2		0.2	0.2	
RUNDLE H	160.0	<0.01		0.1		0.1	0.1	
RUNDLE I	158.0	0.05		7.9		7.9	0.1	7.8
LOWER MANNVILLE A & RUNDLE A	144 800.0	0.05		7 240.0		7 240.0	5 151.1	2 088.9
FIELD TOTAL	150 834.6			7 748.1	272.0	8 020.6	5 714.1	2 306.5
UTIKUMA LAKE O81-09W5								
SLAVE POINT A	197.0	0.10		19.7		19.7	9.4	10.3
SLAVE POINT B	67.1	<0.02		1.0		1.0	1.0	
SLAVE POINT C	128.0	<0.02		2.4		2.4	2.4	
SLAVE POINT D	184.0	0.05		9.2		9.2	3.9	5.3
SLAVE POINT E	106.0	0.25		26.5		26.5	6.2	20.3
SLAVE POINT F	105.0	<0.01		0.1		0.1	0.1	
SLAVE POINT G	55.5	<0.02		0.9		0.9	0.9	
SLAVE POINT H	107.0	0.25		26.8		26.8	21.4	5.4
SLAVE POINT I	73.6	0.20		14.7		14.7	5.4	9.3
SLAVE POINT J	223.0	0.05		11.2		11.2	6.6	4.6
GILWOOD D TOTAL	838.0			126.0	40.0	166.0	137.3	28.7
PRIMARY AREA	438.0	0.15		65.7		65.7		
WATER FLOOD AREA	400.0	0.15	0.10	60.0	40.0	100.0		
GILWOOD E	84.3	<0.01		0.6		0.6	0.6	
KEG RIVER	17 000.0			7 523.0	51.4	7 574.0	7 142.5	431.5
SAND A TOTAL								
PRIMARY AREA	16 490.0	0.45		7 420.0		7 420.0		
WATER FLOOD AREA	514.0	0.20	0.10	103.0	51.4	154.0		
KEG RIVER SAND H	256.0	0.35		89.6		89.6	68.5	21.1
KEG RIVER SAND I	995.0	0.35		348.0		348.0	278.4	69.6
KEG RIVER SAND K	619.0	0.40		248.0		248.0	229.2	18.8
KEG RIVER SAND M	1 520.0	0.25		380.0		380.0	263.8	116.2
KEG RIVER SAND N	5 066.0	0.45		2 280.0		2 280.0	1 468.7	811.3
KEG RIVER SAND O	440.0	0.10		44.0		44.0	20.2	23.8
KEG RIVER SAND P	296.0	0.05		14.8		14.8	12.8	2.0
KEG RIVER SAND R	200.0	0.35		70.0		70.0	58.9	11.1
KEG RIVER SAND S	365.0	0.35		128.0		128.0	70.4	57.6
KEG RIVER SAND T	459.0	0.25		115.0		115.0	84.7	30.3
KEG RIVER SAND U	2 350.0	0.11		259.0		259.0	216.8	42.2
KEG RIVER SAND V	889.0	0.30		267.0		267.0	233.1	33.9
KEG RIVER SAND AA	116.0	0.10		11.6		11.6	8.0	3.6

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	6.40	0.090	0.15	0.85	50	808	77	9 693	2 094.1	1988	89 06 - GPP
65	2.44	0.110	0.20	0.65	117	784	56	12 800	1 545.3	1976	82 12 - GPP
16	16.76	0.117	0.12	0.73	83	806	52	11 785	1 363.4	1975	92 11 - GPP
6 763	47.55	0.082	0.10	0.67	148	825	60	19 130	2 557.0	1917	90 12 - GPP
64	28.50	0.044	0.34	0.67	146	824	66	26 897	3 103.9	1981	85 12 - GPP
16	44.87	0.065	0.25	0.75	112	825	71	24 655	3 175.0	1969	92 11 - ABAND 86 10
					80	811	41		1 460.0	1910	68 07 - GPP
64	2.46	0.170	0.35	0.82	80	839	36	10 300	1 577.0	1974	77 05 - ABAND 77 05
112	8.05	0.180	0.23	0.80	51	887	42	10 179	1 601.8	1981	88 11
64	2.50	0.150	0.50	0.84	50	895	49	10 953	1 658.8	1981	90 12 - GPP
64	1.80	0.140	0.45	0.85	54	895	41	10 610	1 620.0	1973	82 08 - GPP
1 373	1.67	0.137	0.28	0.80	79	876	52	11 720	1 581.6	1960	87 07 - GPP
65	3.33	0.180	0.22	0.82	53	887	59	10 000	1 586.8	1970	77 11 - GPP
125	1.03	0.150	0.35	0.80	85	869	57	10 980	1 630.6	1977	84 02 - GPP
64	4.00	0.150	0.25	0.82	78	886	53	11 530	1 597.5	1980	91 01 - GPP
64	2.40	0.220	0.30	0.82	78	875	50	11 157	1 626.7	1973	83 12 - ABAND 90 08
128	3.11	0.140	0.34	0.80	80	873	50	10 644	1 532.6	1965	85 12 - GPP
64	1.53	0.170	0.28	0.80	79	876	52	11 707	1 581.6	1977	87 07 - GPP
64	2.80	0.200	0.25	0.80	74	883	50	9 623	1 581.3	1980	81 08 - GPP
64	5.00	0.180	0.30	0.80	51	887	42	17 804	1 601.8	1982	88 11
64	2.15	0.200	0.30	0.85	66	865	61	9 616	1 513.0	1961	89 11 - GPP
64	5.50	0.120	0.43	0.87	47	863	62	9 634	1 521.2	1983	90 04 - GPP
70	2.30	0.130	0.23	0.87	74	875	50	9 976	1 588.0	1987	90 10
32	1.38	0.150	0.27	0.83	74	875	50	11 231	1 607.5	1987	89 10
64	6.30	0.051	0.30	0.81	78	868	61	11 658	1 731.3	1988	88 08 - GPP
64	5.80	0.050	0.40	0.82	72	869	59	11 933	1 753.1	1978	79 05
64	6.10	0.060	0.38	0.81	78	868	61	11 855	1 767.5	1988	88 10 - ABAND 88 10
64	7.10	0.070	0.38	0.81	78	868	61	11 929	1 755.5	1989	89 12 - ABAND 89 09
64	7.50	0.070	0.42	0.81	78	868	61		1 734.0	1990	90 07
31 053	12.56	0.063	0.29	0.83	66	876	61	11 410	1 650.5	1952	87 07 - GPP
64	6.50	0.080	0.35	0.91	28	843	49	12 498	1 639.0	1982	86 12 - GPP
64	2.40	0.080	0.40	0.91	27	843	50	14 259	1 632.6	1983	89 12 - ABAND 88 09
64	6.10	0.060	0.40	0.91	28	843	48	9 347	1 631.9	1983	92 10
64	7.60	0.064	0.35	0.91	28	843	49	15 131	1 635.9	1983	86 12 - GPP
64	4.00	0.070	0.35	0.91	27	840	51	16 517	1 646.6	1984	84 10 - GPP
64	4.50	0.080	0.50	0.91	27	848	51	16 916	1 672.9	1984	89 12 - ABAND 90 10
32	4.00	0.070	0.32	0.91	27	848	51	16 590	1 672.9	1984	91 10 - ABAND 88 09
32	9.30	0.060	0.31	0.87	46	840	43	16 142	1 646.6	1984	91 12 - GPP
64	4.20	0.050	0.34	0.83	67	837	43	15 732	1 642.8	1983	84 11 - GPP
64	6.00	0.115	0.42	0.87	45	849	45	15 943	1 545.5	1984	92 07 - GPP
576					71	819	49	17 530	1 726.7	1966	91 12
320	1.84	0.130	0.31	0.83							- GPP
256	2.73	0.106	0.35	0.83							
64	1.24	0.160	0.20	0.83	62	830	48	13 967	1 692.9	1977	92 10
4 150					65	820	49	18 270	1 727.4	1963	91 08
4 016	3.58	0.190	0.29	0.85							- GPP
134	3.63	0.175	0.29	0.85							- GPP
84	2.70	0.190	0.30	0.85	65	825	49	15 510	1 755.3	1977	81 11 - GPP
150	6.13	0.190	0.33	0.85	65	820	49	14 982	1 761.7	1977	92 12
139	4.16	0.180	0.30	0.85	65	839	52	15 630	1 760.9	1977	91 12
448	3.14	0.187	0.32	0.85	65	825	52	11 580	1 726.6	1973	86 10
695	5.31	0.190	0.15	0.85	65	820	49	11 584	1 850.0	1976	92 07
128	3.50	0.175	0.34	0.85	65	810	49	15 620	1 754.8	1979	85 12 - GPP
64	5.29	0.145	0.29	0.85	65	824	48	16 737	1 729.9	1979	86 12 - GPP
81	2.20	0.186	0.29	0.85	65	825	43	13 957	1 740.3	1979	89 12
128	2.74	0.180	0.32	0.85	59	820	45	15 062	1 715.2	1980	82 05 - GPP
64	7.09	0.170	0.30	0.85	65	836	49	13 732	1 739.2	1981	81 09 - GPP
320	7.16	0.180	0.33	0.85	58	827	50	15 910	1 740.0	1980	92 12
313	2.73	0.180	0.32	0.85	65	825	49	16 328	1 735.6	1979	92 07 - GPP
64	1.60	0.190	0.30	0.85	57	820	44	12 633	1 746.7	1983	86 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
UTIKUMA LAKE 081-09W5 (CONTINUED)								
KEG RIVER SAND DD	342.0	0.25		85.6		85.6	33.1	52.5
KEG RIVER SAND EE	644.0	0.30		193.0		193.0	83.2	109.8
KEG RIVER SAND GG	39.5	<0.01		0.1		0.1	0.1	
KEG RIVER SAND HH	67.9	<0.03		1.4		1.4	1.4	
KEG RIVER SAND II	180.0	0.11		19.8		19.8	10.7	9.1
KEG RIVER SAND JJ	262.0	0.03		7.9		7.9	3.3	4.6
KEG RIVER SAND KK	190.0	0.25		47.5		47.5	22.6	24.9
KEG RIVER SAND MM	741.0	0.30		222.0		222.0	127.4	94.6
KEG RIVER SAND OO	31.4	0.30		9.4		9.4	3.0	6.4
FIELD TOTAL	35 237.3			12 603.8	91.4	12 694.8	10 636.0	2 058.8
VALHALLA 075-10W6								
DOE CREEK I TOTAL	44 900.0			3 472.0	4 015.0	7 487.0	2 884.7	4 602.3
PRIMARY AREA	28 450.0	0.07		1 992.0		1 992.0		
WATER FLOOD AREA	16 450.0	0.09	0.25	1 480.0	4 015.0	5 495.0		
DOE CREEK K	336.0	0.10		33.6		33.6	19.3	14.3
DOE CREEK L	814.0	0.05		40.7		40.7	23.7	17.0
DOE CREEK M	681.0	0.03		20.4		20.4	14.5	5.9
DOE CREEK N	64.4	0.12		7.7		7.7	6.5	1.2
DOE CREEK O	144.0	0.10		14.4		14.4	1.8	12.6
DOE CREEK T & U	4 970.0	0.05		248.0		248.0	46.0	202.0
GETHING C	68.6	<0.02		0.9		0.9	0.9	
CHARLIE LAKE C	44.7	0.20		8.9		8.9	6.9	2.0
CHARLIE LAKE D	103.0	0.10		10.3		10.3	6.1	4.2
CHARLIE LAKE H	3 076.0	0.15		461.0		461.0	130.6	330.4
CHARLIE LAKE I	322.0	0.10		32.2		32.2	12.2	20.0
CHARLIE LAKE J	138.0	0.15		20.7		20.7	7.4	13.3
CHARLIE LAKE K	94.5	0.20		18.9		18.9	15.7	3.2
CHARLIE LAKE L	120.0	0.15		18.0		18.0	6.6	11.4
CHARLIE LAKE M	326.0	0.10		32.6		32.6	7.7	24.9
CHARLIE LAKE O	99.6	0.15		14.9		14.9	4.8	10.1
CHARLIE LAKE P	153.0	0.10		15.3		15.3	0.9	14.4
BOUNDARY B	2 170.0	0.10		217.0		217.0	137.0	80.0
BOUNDARY D	557.0	0.17		94.7		94.7	77.4	17.3
BOUNDARY F	83.5	<0.02		1.2		1.2	1.2	
BOUNDARY H	377.0	0.10		37.7		37.7	26.0	11.7
BOUNDARY I	415.0	0.15		62.3		62.3	54.9	7.4
BOUNDARY J	138.0	0.15		20.7		20.7	10.2	10.5
BOUNDARY K	34.5	0.15		5.2		5.2	0.4	4.8
BOUNDARY L	41.7	0.15		6.3		6.3	1.8	4.5
BOUNDARY M	897.0	0.20		179.0		179.0	34.4	144.6
BOUNDARY A & CHARLIE LAKE A	528.0	0.15		79.2		79.2	33.2	46.0
HALFWAY C	1 899.0	0.25		475.0		475.0	255.2	219.8
HALFWAY E	70.7	0.20		14.1		14.1	2.6	11.5
DOIG A	210.0	0.04		8.4		8.4	6.8	1.6
DOIG B	1 014.0	0.10		101.0		101.0	46.8	54.2
DOIG D	1 045.0	0.10		105.0		105.0	27.3	77.7
DOIG E	143.0	0.06		8.6		8.6	2.3	6.3
FIELD TOTAL	66 078.2			5 885.9	4 015.0	9 900.9	3 913.8	5 987.1
VAUXHALL 012-17W4								
UPPER MANNVILLE B	170.0	0.10		17.0		17.0	1.7	15.3
UPPER MANNVILLE E	151.0	0.10		15.1		15.1	0.1	15.0
UPPER MANNVILLE F	149.0	0.05		7.5		7.5	0.1	7.4
LOWER MANNVILLE A	57.8	<0.01		0.1		0.1	0.1	
FIELD TOTAL	527.8			39.7		39.7	2.0	37.7
VEGA 061-03W5								
VIKING B	138.0	<0.01		0.2		0.2	0.2	
VIKING C	109.0	<0.01		0.5		0.5	0.5	
FIELD TOTAL	247.0			0.7		0.7	0.7	
VERGER 022-15W4								
UPPER MANNVILLE F	182.0	0.10		18.2		18.2	7.4	10.8
ARCS A	139.0	0.15		20.9		20.9		20.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	4.32	0.230	0.36	0.84	78	822	50	14 064	1 731.9	1988	89 10
262	2.50	0.180	0.35	0.84	67	830	41	17 022	1 731.7	1978	92 03
64	1.20	0.110	0.45	0.85	65	844	52	12 612	1 744.2	1984	85 05 - ABAND 85 11
64	3.20	0.060	0.35	0.85	55	825	45	15 253	1 749.0	1980	83 09 - ABAND 87 11
64	3.30	0.152	0.30	0.80	78	824	50	16 683	1 744.5	1988	91 09
64	4.40	0.168	0.34	0.84	65	822	49	13 939	1 791.5	1988	91 12
64	3.90	0.180	0.47	0.80	78	845	50	13 101	1 730.8	1987	88 11 - GPP
192	3.48	0.200	0.34	0.84	78	824	50	14 064	1 730.3	1983	92 07
32	1.50	0.140	0.40	0.78	78	824	50	15 338	1 740.7	1991	92 04 - GPP
15 697					19	858	29	3 807	688.6	1977	91 12
11 939	2.25	0.230	0.51	0.94							
3 758	4.05	0.230	0.50	0.94							
128	2.15	0.240	0.44	0.91	22	845	28	4 000	722.0	1984	87 03
332	2.21	0.200	0.37	0.88	49	840	24	5 130	711.0	1978	91 01
256	2.15	0.200	0.35	0.95	18	834	24	4 645	643.5	1985	91 12 - GPP
64	1.00	0.176	0.35	0.88	43	840	27	4 681	553.5	1983	91 12 - GPP
64	2.10	0.200	0.43	0.94	22	840	29	4 541	717.5	1987	88 04
1 157	3.36	0.200	0.32	0.94	22	841	29	4 386	691.2	1990	92 02 - GPP
64	2.00	0.130	0.45	0.75	100	847	60	14 100	1 642.8	1983	86 02 - ABAND 88 01
80	0.80	0.120	0.18	0.71	125	836	58	18 958	2 004.1	1984	87 12
64	2.00	0.120	0.14	0.78	80	817	64	18 995	1 958.2	1984	84 12 - GPP
1 420	3.16	0.106	0.16	0.77	100	800	73	17 571	1 980.4	1984	88 08
64	3.70	0.200	0.15	0.80	70	836	75	17 990	2 009.2	1982	86 02 - GPP
64	2.00	0.180	0.20	0.75	100	840	68	18 924	2 103.8	1986	86 10 - GPP
80	1.60	0.120	0.18	0.75	100	865	60	18 186	1 912.8	1984	87 12 - GPP
64	3.50	0.093	0.28	0.80	100	829	73	18 921	1 950.5	1986	87 02
64	4.40	0.165	0.10	0.78	145	839	73	19 244	2 020.2	1986	86 12 - GPP
64	1.30	0.170	0.12	0.80	165	832	69	17 850	1 912.9	1988	89 05 - GPP
64	3.50	0.150	0.41	0.77	100	829	73	19 068	1 897.5	1988	91 02
1 070	1.81	0.180	0.17	0.75	164	821	73	19 723	2 019.2	1972	87 12
448	1.82	0.110	0.15	0.73	150	816	80	18 518	1 978.2	1983	92 12
64	2.30	0.090	0.10	0.70	125	820	73	16 979	1 976.0	1983	89 12
320	1.13	0.175	0.11	0.67	164	812	73	19 050	1 981.5	1985	89 12 - GPP
384	1.48	0.125	0.13	0.67	164	840	73	19 912	1 913.7	1985	87 05 - GPP
128	2.24	0.112	0.36	0.67	164	820	73	18 234	2 081.2	1979	88 12
64	1.00	0.120	0.33	0.67	164	812	73	17 440	2 152.5	1985	87 08 - GPP
64	1.10	0.100	0.20	0.74	123	814	71	19 090	1 877.7	1989	90 03 - GPP
670	1.70	0.130	0.17	0.73	117	813	66	17 313	1 918.1	1991	92 08
180	3.65	0.136	0.19	0.73	149	835	72	17 570	1 989.9	1981	90 03
692	4.49	0.140	0.26	0.59	145	785	73	19 632	1 953.7	1980	92 08
64	1.20	0.150	0.11	0.69	160	823	78	20 734	1 960.6	1989	89 07
16	23.01	0.110	0.25	0.69	120	815	73	19 664	2 006.0	1983	92 12 - GPP
192	19.46	0.078	0.13	0.40	416	816	73	21 880	2 021.0	1984	88 04 - GPP
140	12.60	0.086	0.14	0.80	249	809	67	22 091	2 019.9	1988	90 10 - GPP
16	16.60	0.080	0.16	0.80	248	814	73	22 456	2 014.0	1988	92 12 - GPP
32	3.80	0.240	0.32	0.86	68	909	31	11 060	1 068.4	1979	91 05
32	5.00	0.180	0.41	0.89	57	835	30	11 109	1 053.8	1990	90 08
64	3.00	0.180	0.55	0.96	18	886	34	11 021	1 049.6	1979	91 04
64	1.00	0.150	0.30	0.86	64	895	30	11 069	1 027.9	1980	83 01 - ABAND 83 09
64	2.00	0.210	0.41	0.87	57	849	32	5 150	833.0	1980	85 12 - GPP
64	1.50	0.190	0.31	0.87	58	846	30	5 045	810.0	1980	82 03 - GPP
64	4.20	0.140	0.45	0.88	47	861	35	9 373	1 073.2	1982	82 12 - GPP
32	3.80	0.200	0.35	0.88	120	869	41	12 109	1 351.3	1991	92 09 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
VERGER 022-15W4 (CONTINUED)								
FIELD TOTAL *	321.0			39.1		39.1	7.4	31.7
VIRGINIA HILLS 065-13W5								
GETHING A	132.0	0.15		19.8		19.8	9.6	10.2
BELLOY A WATER FLOOD	13 000.0	0.23	0.22	2 990.0	2 860.0	5 850.0	4 229.0	1 621.0
BEAVERHILL LAKE	76 240.0			17 410.0	12 180.0	29 590.0	23 242.7	6 347.3
TOTAL								
PRIMARY AREA	2 639.0	0.23		607.0		607.0		
SOLVENT FLOOD AREA	28 560.0	0.23	0.22	6 570.0	6 280.0	12 850.0		
WATER FLOOD AREA	45 040.0	0.22	0.13	10 230.0	5 900.0	16 130.0		
BEAVERHILL LAKE B	30.4	<0.01		0.1		0.1	0.1	
BEAVERHILL LAKE C	106.0	0.15		15.9		15.9	3.7	12.2
BEAVERHILL LAKE D	119.0	0.15		17.9		17.9	2.5	15.4
FIELD TOTAL	89 627.4			20 453.7	15 040.0	35 493.7	27 487.6	8 006.1
VIRGO 115-06W6								
SULPHUR POINT E	35.0	<0.02		0.6		0.6	0.6	
SULPHUR POINT A & KEG RIVER MM	249.0	0.45		112.0		112.0	102.3	9.7
MUSKEG A	334.0	0.20		66.7		66.7	63.8	2.9
MUSKEG B	118.0	0.30		35.4		35.4	24.1	11.3
MUSKEG C	160.0	<0.21		33.1		33.1	33.1	
MUSKEG E	59.0	<0.20		11.6		11.6	11.6	
MUSKEG G WATER FLOOD	228.0	0.15	0.10	34.2	22.8	57.0	42.4	14.6
MUSKEG I	207.0	0.25		51.8		51.8	41.4	10.4
MUSKEG J	175.0	0.20		35.0		35.0	21.5	13.5
MUSKEG K	109.0	<0.01		0.9		0.9	0.9	
MUSKEG L	159.0	<0.08		11.8		11.8	11.8	
MUSKEG M	42.6	<0.10		4.1		4.1	4.1	
MUSKEG O	397.0	0.20		79.4		79.4	49.6	29.8
MUSKEG Q	236.0	<0.02		4.3		4.3	4.3	
MUSKEG R	150.0	<0.04		5.0		5.0	5.0	
MUSKEG S	36.0	<0.02		0.5		0.5	0.5	
MUSKEG T	34.9	<0.02		0.5		0.5	0.5	
MUSKEG U	43.6	0.03		1.3		1.3	1.3	
MUSKEG D & KEG RIVER L	429.0	0.20		85.8		85.8	76.5	9.3
MUSKEG P & KEG RIVER R3R	46.2	0.02		0.9		0.9	0.9	
KEG RIVER A	222.0	0.30		66.7		66.7	45.0	21.7
KEG RIVER B WATER FLOOD	397.0	0.32	0.01	127.0	4.0	131.0	126.5	4.5
KEG RIVER C	139.0	0.40		55.6		55.6	53.8	1.8
KEG RIVER D WATER FLOOD	446.0	0.15	0.10	66.9	44.6	112.0	107.0	5.0
KEG RIVER E WATER FLOOD	620.0	0.35	0.10	217.0	62.0	279.0	216.7	62.3
KEG RIVER F	159.0	0.20		31.8		31.8	24.9	6.9
KEG RIVER G	461.0	0.20		92.2		92.2	75.4	16.8
KEG RIVER H	636.0	0.26		165.0		165.0	132.9	32.1
KEG RIVER I WATER FLOOD	359.0	0.35	0.05	126.0	18.0	144.0	128.8	15.2
KEG RIVER J	159.0	0.38		60.4		60.4	60.1	0.3
KEG RIVER K	221.0	0.52		115.0		115.0	108.4	6.6
KEG RIVER M	130.0	0.25		32.5		32.5	29.2	3.3
KEG RIVER N	159.0	0.35		55.7		55.7	40.9	14.8
KEG RIVER O WATER FLOOD	159.0	0.38	0.06	60.4	9.5	69.9	45.5	24.4
KEG RIVER P WATER FLOOD	350.0	0.10	0.05	35.0	17.5	52.5	34.6	17.9
KEG RIVER Q	477.0	0.15		71.6		71.6	60.3	11.3
KEG RIVER R WATER FLOOD	355.0	0.35	0.05	124.0	17.8	142.0	138.3	3.7
KEG RIVER S WATER FLOOD	270.0	0.25	0.05	67.5	13.5	81.0	75.8	5.2
KEG RIVER T	524.0	<0.11		53.4		53.4	53.4	
KEG RIVER U	390.0	<0.11		39.6		39.6	39.6	
KEG RIVER V	195.0	0.35		68.3		68.3	58.8	9.5
KEG RIVER W	715.0	<0.24		167.0		167.0	167.0	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	2.00	0.170	0.23	0.79	100	852	64	12 322	1 691.3	1983	84 01
1 910	6.25	0.180	0.28	0.84	52	866	70	13 434	1 850.4	1961	91 05 - GPP
13 101					88	834	102	25 510	2 830.4	1957	91 06
2 176	3.00	0.070	0.25	0.77							
2 496	19.89	0.090	0.17	0.77							
8 429	9.84	0.086	0.18	0.77							- GPP
64	1.62	0.073	0.45	0.73	97	852	99	25 548	2 752.8	1983	88 12 - ABAND 84 07
64	4.80	0.070	0.35	0.76	80	847	103	24 065	2 855.2	1983	86 12 - GPP
64	7.81	0.052	0.40	0.76	76	837	105	24 047	2 975.0	1987	91 05 - GPP
16	4.90	0.070	0.25	0.85	62	860	50	13 646	1 372.4	1977	84 05 - ABAND 89 02
9	54.73	0.070	0.17	0.87	35	865	68	14 400	1 467.9	1968	76 08 - GPP
19	20.40	0.130	0.15	0.78	85	839	74	15 170	1 515.2	1968	69 04 - GPP
17	23.00	0.050	0.20	0.75	74	849	71	14 240	1 478.0	1968	87 02 - GPP
8	32.63	0.080	0.11	0.86	45	865	76	14 730	1 496.0	1968	90 03 - ABAND 91 03
4	19.05	0.100	0.10	0.86	46	870	71	12 440	1 472.2	1969	80 12 - GPP
17	18.82	0.090	0.10	0.88	39	881	67	13 860	1 475.2	1969	90 07 - GPP
16	43.70	0.050	0.20	0.74	88	829	72	14 670	1 541.4	1970	86 12 - GPP
49	12.71	0.046	0.30	0.88	35	881	65	13 580	1 439.8	1971	82 12 - GPP
16	20.12	0.051	0.17	0.80	80	849	71	14 890	1 500.5	1971	73 02 - ABAND 90 01
13	17.98	0.089	0.11	0.86	53	870	70	11 960	1 481.6	1971	73 12 - ABAND 89 03
16	12.50	0.040	0.35	0.82	106	834	73	12 590	1 486.5	1973	83 12 - ABAND 88 12
64	16.35	0.060	0.19	0.78	89	850	71	16 930	1 507.2	1969	92 02 - GPP
16	27.90	0.080	0.25	0.88	39	882	67	13 301	1 481.0	1983	92 11 - GPP
16	11.00	0.120	0.11	0.80	45	824	62	14 491	1 546.5	1983	85 12
16	5.80	0.060	0.24	0.85	54	876	58	14 358	1 461.3	1983	87 09 - ABAND 89 04
16	5.00	0.062	0.11	0.79	89	860	69	14 320	1 492.6	1985	88 12 - ABAND 85 12
16	12.30	0.042	0.38	0.85	45	852	76	15 247	1 546.0	1981	89 12
49	16.70	0.076	0.17	0.83	75	829	62	15 790	1 596.5	1968	79 11 - GPP
16	7.00	0.080	0.40	0.86	34	794	82	13 677	1 647.5	1981	88 12
10	42.95	0.080	0.15	0.76	106	825	68	15 170	1 545.0	1968	70 02 - GPP
14	38.93	0.094	0.11	0.87	43	849	71	14 670	1 466.7	1968	92 12 - GPP
8	33.79	0.068	0.16	0.90	32	876	64	14 560	1 460.6	1968	71 03 - GPP
20	31.34	0.093	0.10	0.85	48	860	73	15 000	1 497.2	1968	92 12 - GPP
13	68.75	0.094	0.10	0.82	75	849	68	15 200	1 513.0	1967	90 05 - GPP
5	38.53	0.130	0.08	0.69	143	876	76	15 130	1 531.0	1968	79 04 - GPP
10	89.09	0.077	0.16	0.80	74	839	76	16 030	1 592.0	1968	83 12 - GPP
13	70.46	0.093	0.10	0.83	65	876	77	15 270	1 499.0	1968	85 08 - GPP
12	44.50	0.090	0.10	0.83	78	849	71	14 990	1 495.0	1968	92 12 - GPP
11	36.45	0.053	0.14	0.87	50	865	68	14 460	1 462.1	1968	81 10 - GPP
8	56.81	0.065	0.12	0.85	45	855	70	14 930	1 499.3	1968	88 12
9	35.00	0.070	0.18	0.72	121	815	78	15 070	1 535.9	1968	87 12
6	47.40	0.073	0.12	0.87	50	865	68	14 550	1 474.6	1968	82 12 - GPP
6	52.50	0.066	0.12	0.87	43	865	61	14 400	1 467.0	1968	86 05 - GPP
8	74.75	0.081	0.14	0.84	45	860	76	14 960	1 503.6	1968	92 09 - GPP
15	62.00	0.071	0.14	0.84	58	855	72	14 980	1 504.2	1968	90 12 - GPP
9	54.11	0.100	0.10	0.81	80	876	63	15 090	1 564.5	1968	90 12 - GPP
6	79.20	0.077	0.10	0.82	60	855	71	12 770	1 530.4	1968	82 12 - GPP
22	42.70	0.080	0.15	0.82	69	849	71	14 340	1 494.7	1968	89 12 - GPP
19	30.75	0.100	0.11	0.75	107	829	71	15 470	1 551.7	1968	75 02
7	37.50	0.110	0.10	0.75	101	839	72	15 170	1 527.7	1968	83 12 - GPP
11	72.59	0.120	0.09	0.82	68	849	71	15 280	1 515.8	1968	92 09

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
VIRGO 115-06W6 (CONTINUED)								
KEG RIVER X	251.0	<0.11		26.3		26.3	26.3	
KEG RIVER Y	290.0	0.40		116.0		116.0	101.9	14.1
KEG RIVER Z	354.0	0.39	0.09	138.0	31.9	170.0	164.4	5.6
WATER FLOOD								
KEG RIVER AA	570.0	0.18		103.0		103.0	98.8	4.2
KEG RIVER BB	192.0	0.40		76.8		76.8	66.2	10.6
KEG RIVER CC	30.7	0.30		9.2		9.2	6.8	2.4
KEG RIVER DD	110.0	0.30	0.13	33.0	14.3	47.3	37.6	9.7
WATER FLOOD								
KEG RIVER EE	127.0	0.25		31.8		31.8	28.8	3.0
KEG RIVER FF	636.0	<0.05		30.6		30.6	30.6	
KEG RIVER GG	636.0	0.09		57.2		57.2	53.8	3.4
KEG RIVER HH	284.0	0.27		76.7		76.7	74.4	2.3
KEG RIVER II	366.0	<0.06		19.9		19.9	19.9	
KEG RIVER JJ	556.0	0.30		167.0		167.0	143.8	23.2
KEG RIVER KK	311.0	<0.09		25.0		25.0	25.0	
KEG RIVER LL	92.0	<0.12		11.0		11.0	11.0	
KEG RIVER NN	159.0	0.40		63.6		63.6	58.7	4.9
KEG RIVER OO	159.0	<0.11		16.2		16.2	16.2	
KEG RIVER PP	47.2	<0.06		2.8		2.8	2.8	
KEG RIVER QO	212.0	0.20		42.4		42.4	36.8	5.6
KEG RIVER RR	1 274.0	<0.08		90.4		90.4	90.4	
KEG RIVER SS	155.0	0.30		46.6		46.6	32.9	13.7
KEG RIVER TT	193.0	<0.12		23.1		23.1	23.1	
KEG RIVER UU	152.0	0.10		15.2		15.2	10.4	4.8
KEG RIVER VV	560.0	0.40		224.0		224.0	188.9	35.1
KEG RIVER WW	300.0	0.30	0.07	90.0	21.0	111.0	103.2	7.8
WATER FLOOD								
KEG RIVER XX	578.0	<0.09		47.4		47.4	47.4	
KEG RIVER YY	200.0	<0.26		50.6		50.6	50.6	
KEG RIVER ZZ	238.0	0.35		83.3		83.3	73.5	9.8
KEG RIVER AAA	230.0	0.35	0.14	80.5	32.2	113.0	110.2	2.8
WATER FLOOD								
KEG RIVER BBB	440.0	<0.19		79.9		79.9	79.9	
KEG RIVER CCC TOTAL	250.0			20.0	21.3	41.3	25.3	16.0
PRIMARY AREA	125.0	0.08		10.0		10.0		
WATER FLOOD AREA	125.0	0.08	0.17	10.0	21.3	31.3		
KEG RIVER DDD	191.0	0.07		13.4		13.4	13.4	
KEG RIVER EEE	226.0	<0.10		22.3		22.3	22.3	
KEG RIVER FFF	72.2	<0.01		0.3		0.3	0.3	
KEG RIVER GGG	440.0	0.10	0.08	44.0	35.2	79.2	78.0	1.2
WATER FLOOD								
KEG RIVER HHH	49.6	<0.12		5.9		5.9	5.9	
KEG RIVER III	49.6	<0.05		2.1		2.1	2.1	
KEG RIVER JJJ	556.0	<0.05		24.7		24.7	24.7	
KEG RIVER KKK	238.0	<0.33		77.8		77.8	77.8	
KEG RIVER LLL	207.0	0.30		62.0		62.0	47.9	14.1
KEG RIVER MMM	95.3	0.36		34.3		34.3	33.3	1.0
KEG RIVER NNN	207.0	0.40		82.8		82.8	78.3	4.5
KEG RIVER OOO	200.0	<0.20	0.03	38.4	6.0	44.4	44.4	
WATER FLOOD								
KEG RIVER PPP	227.0	0.15	0.10	34.2	22.7	56.9	54.9	2.0
WATER FLOOD								
KEG RIVER QOO	320.0	<0.16		49.0		49.0	49.0	
KEG RIVER RRR	556.0	0.10		55.6		55.6	39.2	16.4
KEG RIVER SSS	238.0	0.05		11.9		11.9	7.9	4.0
KEG RIVER TTT	444.0	<0.26		114.4		114.4	114.4	
KEG RIVER UUU	111.0	0.20		22.2		22.2	22.2	
KEG RIVER VVV	37.8	0.17		6.4		6.4	6.4	
KEG RIVER WWW	107.0	<0.10		10.5		10.5	10.5	
KEG RIVER XXX	267.0	0.20		53.4		53.4	44.7	8.7
KEG RIVER YYY	175.0	<0.25		42.1		42.1	42.1	
KEG RIVER ZZZ	195.0	0.40		78.0		78.0	68.4	9.6
KEG RIVER A2A	280.0	0.32	0.03	89.6	8.4	98.0	89.6	8.4
WATER FLOOD								
KEG RIVER B2B	327.0	<0.06		17.5		17.5	17.5	
KEG RIVER C2C	397.0	<0.08		31.0		31.0	31.0	
KEG RIVER D2D	370.0	0.28		104.0		104.0	93.4	10.6
KEG RIVER E2E	235.0	<0.06		13.2		13.2	13.2	
KEG RIVER F2F	142.0	<0.13		17.6		17.6	17.6	
KEG RIVER G2G	80.0	<0.01		0.7		0.7	0.7	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
6	66.45	0.093	0.12	0.77	96	839	72	15 370	1 538.0	1968	77 03 - ABAND 77 06
19	34.42	0.060	0.15	0.87	47	849	69	14 740	1 478.0	1968	90 12 - GPP
11	52.50	0.084	0.10	0.81	75	860	64	14 780	1 489.6	1968	88 12 - GPP
25	47.24	0.073	0.24	0.87	45	849	72	14 860	1 486.8	1968	86 12 - GPP
10	43.30	0.060	0.16	0.88	35	855	67	14 650	1 467.6	1968	83 12 - GPP
7	28.16	0.025	0.30	0.89	30	860	68	14 450	1 447.2	1968	80 06 - GPP
9	22.89	0.074	0.13	0.83	67	849	69	14 450	1 481.0	1968	86 02 - GPP
10	21.56	0.090	0.15	0.77	101	839	71	15 310	1 529.5	1968	69 11 - GPP
34	39.51	0.070	0.11	0.76	104	820	70	15 380	1 544.7	1968	88 12 - GPP
51	28.78	0.069	0.14	0.73	120	829	74	15 040	1 541.7	1968	83 12 - GPP
16	22.56	0.130	0.11	0.68	158	815	79	15 450	1 570.3	1968	91 12 - GPP
9	68.00	0.085	0.20	0.88	46	876	63	14 690	1 482.9	1968	86 12 - ABAND 89 11
19	51.20	0.081	0.16	0.84	53	870	69	14 740	1 475.8	1968	70 02 - GPP
17	36.82	0.080	0.15	0.73	124	834	69	15 290	1 554.2	1968	78 10 - GPP
10	17.98	0.079	0.19	0.80	74	844	70	15 620	1 632.2	1968	89 12 - GPP
4	47.25	0.110	0.09	0.84	56	870	62	14 580	1 476.1	1968	83 12 - GPP
9	33.78	0.070	0.13	0.86	50	865	68	14 160	1 464.3	1968	82 12 - ABAND 90 01
6	17.25	0.067	0.20	0.85	72	844	71	13 620	1 492.9	1968	70 02 - GPP
19	23.00	0.080	0.17	0.73	118	839	72	15 452	1 545.3	1968	92 08 - GPP
57	39.32	0.076	0.12	0.85	43	860	69	14 820	1 481.3	1969	84 12 - ABAND 90 03
19	32.40	0.040	0.25	0.84	58	876	66	14 620	1 474.3	1969	70 06 - GPP
9	38.25	0.083	0.10	0.75	107	834	71	15 360	1 549.0	1968	77 05 - GPP
34	18.04	0.040	0.25	0.82	69	849	71	13 570	1 484.0	1968	87 12 - GPP
20	48.40	0.081	0.15	0.84	65	860	70	14 618	1 483.8	1969	89 12 - GPP
16	25.00	0.098	0.09	0.84	64	860	70	14 740	1 501.1	1969	86 02 - GPP
17	33.89	0.140	0.08	0.78	92	829	76	15 380	1 553.0	1969	77 11 - ABAND 76 11
6	52.30	0.094	0.12	0.77	91	834	76	15 130	1 547.5	1969	81 10 - GPP
15	28.17	0.080	0.20	0.88	40	855	70	14 480	1 467.3	1969	86 12 - GPP
11	44.00	0.070	0.15	0.80	84	839	71	14 960	1 494.4	1968	91 12 - GPP
8	65.23	0.120	0.10	0.78	93	834	72	15 310	1 532.2	1969	82 12 - GPP
8					47	855	71	14 406	1 504.0	1969	85 04 - GPP
4	34.40	0.120	0.10	0.84							
4	70.50	0.060	0.12	0.84							
7	44.00	0.082	0.11	0.85	50	865	68	13 220	1 469.4	1969	83 12 - ABAND 91 03
5	57.24	0.107	0.12	0.84	54	865	71	12 670	1 501.1	1969	70 10 - GPP
16	6.40	0.100	0.15	0.83	69	849	71	13 340	1 482.5	1969	70 12 - GPP
11	51.27	0.102	0.10	0.85	53	865	70	13 970	1 495.3	1969	86 02 - GPP
8	24.78	0.037	0.24	0.89	40	860	68	13 930	1 442.9	1969	89 12 - GPP
8	15.54	0.064	0.24	0.82	71	839	71	13 510	1 498.4	1969	74 05 - ABAND 70 11
21	40.39	0.094	0.15	0.82	62	865	72	14 250	1 529.5	1969	79 12 - GPP
7	47.89	0.094	0.09	0.83	67	849	71	14 600	1 504.8	1969	92 10 - GPP
14	38.74	0.053	0.20	0.90	30	870	68	14 280	1 460.3	1969	70 07 - GPP
14	24.79	0.040	0.22	0.88	46	855	71	14 380	1 476.5	1969	88 12 - GPP
22	27.35	0.050	0.20	0.86	44	870	68	14 310	1 463.3	1969	87 12 - GPP
4	82.75	0.080	0.10	0.84	59	844	66	11 660	1 506.0	1969	86 02 - GPP
11	60.96	0.047	0.14	0.84	60	855	68	13 810	1 498.1	1969	76 12 - GPP
18	45.80	0.072	0.13	0.62	210	820	78	15 530	1 586.2	1969	83 12 - GPP
15	66.74	0.096	0.11	0.65	171	815	78	15 180	1 570.9	1969	87 12 - GPP
6	72.92	0.080	0.20	0.85	52	870	71	13 910	1 524.0	1969	87 12 - GPP
11	60.27	0.095	0.13	0.81	71	855	74	15 220	1 534.7	1969	87 12 - ABAND 91 03
8	37.88	0.069	0.17	0.64	192	811	82	15 470	1 595.6	1969	85 12 - GPP
5	26.52	0.044	0.21	0.82	66	876	75	13 210	1 511.5	1969	91 10 - ABAND 90 08
7	21.34	0.110	0.12	0.74	118	829	71	14 800	1 539.9	1969	75 12 - GPP
16	30.80	0.075	0.15	0.85	30	865	68	14 460	1 455.1	1968	79 12 - GPP
10	40.90	0.069	0.15	0.73	123	829	72	15 240	1 540.8	1969	89 12 - GPP
22	33.67	0.047	0.30	0.80	64	849	70	13 850	1 477.7	1969	87 12 - GPP
10	44.19	0.090	0.12	0.80	84	844	76	15 100	1 534.4	1969	90 05 - GPP
20	26.49	0.090	0.23	0.89	34	870	70	13 560	1 456.6	1969	75 12 - ABAND 90 01
10	48.83	0.105	0.11	0.87	41	881	64	13 130	1 464.6	1969	80 01 - GPP
9	76.78	0.077	0.12	0.79	77	844	73	14 730	1 531.6	1969	87 12 - GPP
12	33.89	0.079	0.15	0.86	48	870	69	11 190	1 490.8	1969	73 05 - ABAND 90 08
11	24.08	0.085	0.17	0.76	104	834	73	15 130	1 520.0	1969	70 06 - ABAND 89 02
11	28.65	0.045	0.32	0.83	62	849	71	14 500	1 497.5	1969	73 02 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
VIRGO 115-06W6 (CONTINUED)								
KEG RIVER H2H	487.0	<0.08		37.2		37.2	37.2	
KEG RIVER I2I	280.0	0.35		98.0		98.0	86.7	11.3
KEG RIVER J2J	56.3	0.30		16.9		16.9	6.4	10.5
KEG RIVER K2K	636.0	0.17		108.0		108.0	101.2	6.8
KEG RIVER L2L	245.0	<0.14		34.0		34.0	34.0	
KEG RIVER M2M	259.0	<0.11		26.6		26.6	26.6	
KEG RIVER N2N	348.0	0.18		62.6		62.6	59.6	3.0
KEG RIVER O2O	229.0	<0.09		18.8		18.8	18.8	
KEG RIVER P2P	198.0	<0.02		3.6		3.6	3.6	
KEG RIVER Q2Q	78.0	<0.03		1.9		1.9	1.9	
KEG RIVER R2R	397.0	0.07	0.08	27.8	31.8	59.6	46.9	12.7
WATER FLOOD								
KEG RIVER S2S	270.0	0.40		108.0		108.0	76.4	31.6
KEG RIVER T2T	203.0	<0.21		41.3		41.3	41.3	
KEG RIVER U2U	421.0	0.11		46.3		46.3	41.5	4.8
KEG RIVER V2V	101.0	<0.19		18.2		18.2	18.2	
KEG RIVER W2W	658.0	<0.07		45.0		45.0	45.0	
KEG RIVER X2X	400.0	<0.14		52.5		52.5	52.5	
KEG RIVER Y2Y	747.0	0.15		112.0		112.0	75.9	36.1
KEG RIVER Z2Z	500.0	0.05	0.05	25.0	25.0	50.0	32.4	17.6
WATER FLOOD								
KEG RIVER A3A	254.0	0.35		89.0		89.0	84.5	4.5
KEG RIVER B3B	492.0	<0.07		33.2		33.2	33.2	
KEG RIVER C3C	162.0	<0.20		30.9		30.9	30.9	
KEG RIVER D3D	111.0	0.35		38.9		38.9	30.9	8.0
KEG RIVER E3E	556.0	0.12		66.7		66.7	55.6	11.1
KEG RIVER F3F	404.0	<0.03		9.6		9.6	9.6	
KEG RIVER G3G	312.0	<0.03		6.6		6.6	6.6	
KEG RIVER H3H	96.9	0.35		33.9		33.9	16.2	17.7
KEG RIVER I3I	252.0	<0.02		3.7		3.7	3.7	
KEG RIVER J3J	397.0	0.17		67.5		67.5	57.7	9.8
KEG RIVER L3L	65.3	<0.01		0.2		0.2	0.2	
KEG RIVER N3N	353.0	0.10		35.3		35.3	31.2	4.1
KEG RIVER O3O	74.3	<0.10		6.9		6.9	6.9	
KEG RIVER P3P	96.1	<0.01		0.3		0.3	0.3	
KEG RIVER Q3Q	327.0	<0.07		20.0		20.0	20.0	
KEG RIVER S3S	91.6	0.20		18.3		18.3	3.0	15.3
KEG RIVER T3T	110.0	<0.03		2.3		2.3	2.3	
KEG RIVER U3U	130.0	0.40		52.0		52.0	25.0	27.0
KEG RIVER V3V	600.0	0.10		60.0		60.0	42.9	17.1
KEG RIVER W3W	28.8	<0.02		0.5		0.5	0.5	
KEG RIVER X3X	93.3	0.30		28.0		28.0	6.2	21.8
KEG RIVER Y3Y	90.5	0.15		13.6		13.6	4.7	8.9
KEG RIVER Z3Z	50.0	<0.06		2.6		2.6	2.6	
KEG RIVER A4A	417.0	0.10		41.7		41.7	11.3	30.4
KEG RIVER B4B	300.0	0.10		30.0		30.0	22.9	7.1
KEG RIVER C4C	187.0	0.30		56.1		56.1	23.7	32.4
KEG RIVER D4D	500.0	0.05		25.0		25.0	14.2	10.8
KEG RIVER E4E	39.1	0.05		2.0		2.0	2.0	
KEG RIVER F4F	550.0	0.05	0.05	27.5	27.5	55.0	34.8	20.2
WATER FLOOD								
KEG RIVER G4G	300.0	0.15	0.25	45.0	75.0	120.0	37.9	82.1
WATER FLOOD								
KEG RIVER H4H	400.0	0.15		60.0		60.0	31.8	28.2
KEG RIVER I4I	100.0	<0.01		0.5		0.5	0.5	
KEG RIVER J4J	100.0	0.25		25.0		25.0	14.4	10.6
KEG RIVER K4K	120.0	0.20		24.0		24.0	12.8	11.2
KEG RIVER L4L	450.0	<0.03		10.8		10.8	10.8	
KEG RIVER M4M	240.0	<0.01		1.4		1.4	1.4	
KEG RIVER N4N	176.0	0.10		17.6		17.6	4.5	13.1
KEG RIVER O4O	250.0	0.40		100.0		100.0	63.7	36.3
KEG RIVER P4P	85.8	0.25		21.5		21.5	11.5	10.0
KEG RIVER Q4Q	179.0	<0.06		10.5		10.5	10.5	
KEG RIVER R4R	335.0	0.05		16.8		16.8	11.9	4.9
KEG RIVER S4S	100.0	0.03		3.0		3.0	3.0	
KEG RIVER T4T	239.0	0.25		59.8		59.8	9.2	50.6
KEG RIVER V4V	475.0	0.20		95.0		95.0	15.5	79.5
KEG RIVER W4W	125.0	0.25		31.3		31.3	1.4	29.9
FIELD TOTAL	45 112.7			7 738.5	562.0	8 301.6	6 940.3	1 361.3

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
17	40.54	0.103	0.12	0.78	90	849	71	14 710	1 510.0	1969	89 12 - ABAND 89 02
17	34.70	0.070	0.22	0.87	43	860	70	14 130	1 467.6	1969	87 01 - GPP
11	29.19	0.033	0.23	0.69	125	815	82	15 480	1 606.0	1969	88 12 - GPP
9	81.17	0.114	0.08	0.83	63	849	70	11 050	1 521.6	1970	82 12 - GPP
11	43.56	0.070	0.17	0.88	37	865	68	13 720	1 471.0	1970	88 12 - ABAND 89 03
23	26.83	0.061	0.20	0.86	45	834	72	13 880	1 474.6	1970	92 10
15	36.98	0.085	0.10	0.82	70	849	73	13 360	1 501.4	1970	86 12 - GPP
12	44.35	0.061	0.20	0.88	38	855	68	14 370	1 457.6	1970	82 12 - GPP
13	33.83	0.075	0.20	0.75	92	829	76	14 930	1 563.6	1970	75 03
8	30.48	0.050	0.20	0.80	90	849	72	13 890	1 524.6	1970	88 12 - GPP
15	47.81	0.075	0.10	0.82	68	860	70	11 400	1 491.8	1970	75 12 - GPP
13	39.44	0.075	0.10	0.78	90	839	72	14 040	1 513.9	1970	71 09 - GPP
6	54.60	0.085	0.10	0.81	53	849	79	12 600	1 500.2	1971	75 12 - ABAND 89 07
10	48.77	0.120	0.10	0.80	76	849	73	12 450	1 523.1	1971	84 12 - GPP
11	48.89	0.030	0.23	0.82	80	849	73	14 530	1 508.5	1971	72 07 - ABAND 89 08
13	91.74	0.073	0.10	0.84	89	865	70	10 450	1 512.4	1971	81 12 - ABAND 89 07
11	49.07	0.105	0.18	0.86	53	865	70	10 640	1 476.5	1972	89 12 - GPP
11	72.40	0.120	0.07	0.84	57	855	69	12 500	1 495.3	1972	84 07 - GPP
14	60.43	0.087	0.21	0.86	33	870	60	10 410	1 483.1	1971	91 12 - GPP
12	46.20	0.070	0.15	0.77	89	829	81	15 240	1 531.9	1972	73 05 - GPP
10	54.86	0.120	0.10	0.83	51	865	72	14 360	1 496.3	1972	85 12 - GPP
7	32.80	0.090	0.10	0.87	53	870	69	14 880	1 467.9	1972	82 12 - ABAND 89 09
5	32.75	0.095	0.18	0.87	33	876	65	13 810	1 449.6	1973	74 05 - GPP
9	58.01	0.136	0.10	0.87	43	870	62	14 270	1 471.6	1973	86 12 - GPP
39	15.88	0.100	0.23	0.85	59	855	67	14 040	1 473.1	1973	79 12 - ABAND 88 12
29	21.46	0.072	0.18	0.85	57	855	69	12 580	1 481.3	1973	78 03 - ABAND 88 12
13	22.70	0.050	0.18	0.80	89	839	60	15 670	1 574.0	1969	74 12 - GPP
32	19.51	0.063	0.20	0.80	76	829	70	15 220	1 539.8	1969	85 12 - ABAND 90 01
12	54.70	0.090	0.20	0.84	66	849	72	15 060	1 490.5	1977	87 12 - GPP
8	22.60	0.060	0.30	0.86	35	850	68	14 380	1 459.0	1980	82 12 - ABAND 90 04
16	42.00	0.072	0.12	0.83	35	852	77	15 240	1 496.0	1981	81 09 - GPP
8	22.50	0.060	0.20	0.86	46	835	64	9 278	1 584.8	1981	85 12 - ABAND 86 12
16	19.50	0.055	0.30	0.80	77	854	55	14 163	1 541.3	1982	86 12
16	27.00	0.110	0.20	0.86	34	850	65	14 724	1 555.5	1982	89 12 - GPP
16	18.00	0.050	0.26	0.86	49	872	70	14 000	1 454.5	1983	92 11 - GPP
4	46.48	0.080	0.13	0.85	58	860	71	12 544	1 502.5	1982	84 06 - ABAND 87 02
8	51.48	0.047	0.21	0.85	48	854	85	11 105	1 484.8	1984	85 09 - GPP
13	52.59	0.116	0.11	0.85	51	862	71	14 867	1 495.1	1984	86 06 - GPP
16	15.90	0.026	0.50	0.87	43	890	68	13 765	1 443.1	1984	85 05 - ABAND 88 03
30	20.33	0.030	0.40	0.85	51	871	71	13 566	1 457.9	1985	86 06 - GPP
16	32.30	0.032	0.25	0.73	104	844	73	14 717	1 498.2	1984	89 12 - GPP
4	37.60	0.051	0.25	0.87	30	878	68	8 452	1 467.4	1985	92 10
16	38.85	0.092	0.18	0.89	38	858	68	14 422	1 474.5	1985	92 07 - GPP
23	30.83	0.069	0.16	0.73	104	875	73	15 151	1 533.2	1985	86 09 - GPP
26	13.22	0.080	0.20	0.85	58	850	72	14 766	1 569.5	1985	87 01 - GPP
11	77.68	0.081	0.16	0.86	30	873	68	11 997	1 486.7	1985	86 06 - GPP
16	10.00	0.040	0.29	0.86	30	875	68	12 403	1 444.0	1985	86 01 - ABAND 87 11
10	73.90	0.095	0.13	0.90	33	889	70	13 555	1 496.5	1985	91 12 - GPP
15	26.12	0.100	0.12	0.87	43	865	68	12 181	1 477.6	1985	91 02 - GPP
7	73.90	0.107	0.16	0.86	241	891	68	13 738	1 504.5	1985	90 12 - GPP
13	17.47	0.064	0.20	0.86	44	855	73	14 138	1 477.5	1985	87 04 - ABAND 90 01
19	29.10	0.034	0.30	0.76	106	872	68	14 712	1 531.2	1985	87 01 - GPP
16	20.49	0.052	0.20	0.88	34	852	67	13 969	1 460.8	1986	91 12 - GPP
14	44.58	0.101	0.17	0.86	48	874	64	13 560	1 531.0	1986	87 07 - ABAND 89 08
11	38.23	0.079	0.15	0.85	51	808	71	14 229	1 489.0	1986	91 12
16	19.68	0.074	0.14	0.88	37	872	57	13 954	1 458.8	1986	90 12 - GPP
14	59.80	0.048	0.26	0.84	72	869	71	15 596	1 506.0	1987	88 09
6	34.60	0.076	0.15	0.64	193	839	78	13 677	1 564.5	1987	87 05
16	20.72	0.073	0.13	0.85	43	867	68	13 210	1 519.5	1986	92 03 - ABAND 91 11
17	56.50	0.068	0.21	0.65	159	839	78	13 510	1 555.0	1987	90 12 - GPP
13	28.95	0.041	0.19	0.80	78	844	70	12 118	1 579.3	1988	92 10
10	44.00	0.100	0.20	0.68	161	803	80	11 154	1 551.5	1989	91 12
16	64.00	0.070	0.22	0.85	70	873	71	10 633	1 490.0	1990	90 07
16	13.20	0.080	0.15	0.87	49	872	68	13 348	1 478.8	1986	92 06

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
VULCAN 016-24W4								
BASAL MANNVILLE C	69.3	0.20		13.9		13.9	12.7	1.2
FIELD TOTAL	69.3			13.9		13.9	12.7	1.2
WANYANDIE 060-27W5								
CARDIUM A	242.0	0.10		24.2		24.2	10.0	14.2
CARDIUM B	106.0	<0.01		0.1		0.1	0.1	
CARDIUM C	397.0	0.05		19.9		19.9	2.8	17.1
FIELD TOTAL	745.0			44.2		44.2	12.9	31.3
WAPITI 067-06W6								
CARDIUM A & B	13 650.0	0.10		1 365.0		1 365.0	300.1	1 064.9
DUNVEGAN B	2 665.0	0.10		267.0		267.0	133.0	134.0
DUNVEGAN E	292.0	0.10		29.2		29.2	3.0	26.2
FIELD TOTAL	16 607.0			1 661.2		1 661.2	436.1	1 225.1
WARNER 004-18W4								
LIVINGSTONE A	93.6	0.02		1.9		1.9	1.9	
FIELD TOTAL	93.6			1.9		1.9	1.9	
WASKAHIGAN 063-24W5								
DUNVEGAN A	3 000.0	0.06		180.0		180.0	141.4	38.6
DUNVEGAN C	520.0	0.05		26.0		26.0	18.4	7.6
DUNVEGAN D	133.0	0.15		20.0		20.0	17.4	2.6
DUNVEGAN E	114.0	0.10		11.4		11.4	3.3	8.1
GETHING C	255.0	<0.01		2.1		2.1	2.1	
FIELD TOTAL	4 022.0			239.5		239.5	182.6	56.9
WATELET 047-26W4								
BELLY RIVER B	281.0	0.02		5.6		5.6	2.4	3.2
ELLERSLIE A	320.0	0.15		48.0		48.0	42.5	5.5
FIELD TOTAL	601.0			53.6		53.6	44.9	8.7
WATTS 031-16W4								
LOWER MANNVILLE A	139.0	0.10		13.9		13.9	10.1	3.8
LOWER MANNVILLE B	167.0	0.10		16.7		16.7	9.0	7.7
LOWER MANNVILLE D	231.0	0.05		11.6		11.6	0.1	11.5
LOWER MANNVILLE E	496.0	0.05		24.8		24.8	11.4	13.4
LOWER MANNVILLE I	220.0	0.10		22.0		22.0	11.8	10.2
LOWER MANNVILLE J	418.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE K	161.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE L	36.5	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE N	63.1	<0.01		0.1		0.1	0.1	
BANFF A	50.0	0.10		5.0		5.0	1.8	3.2
BANFF C	557.0	0.05		27.9		27.9	24.9	3.0
BANFF D	829.0	0.10		82.9		82.9	28.9	54.0
BANFF G	114.0	<0.01		0.4		0.4	0.4	
BANFF H	3 442.0	<0.12		386.0		386.0	344.4	41.6
BANFF I	962.0	0.15		144.0		144.0	76.6	67.4
BANFF J	89.1	0.15		13.4		13.4	4.1	9.3
BANFF L	200.0	0.20		40.0		40.0	25.2	14.8
BANFF M	760.0	0.10		76.0		76.0	28.5	47.5
BANFF N	322.0	0.10		32.2		32.2	10.6	21.6
BANFF O	159.0	0.15		23.9		23.9	20.5	3.4
BANFF P	21.6	<0.01		0.1		0.1	0.1	
BANFF Q	168.0	0.15		25.2		25.2	14.9	10.3
BANFF W	233.0	0.15		35.0		35.0	8.3	26.7
BANFF X	492.0	0.03		14.8		14.8	7.3	7.5
BANFF Y	804.0	0.03		24.1		24.1	16.3	7.8
BANFF Z	421.0	0.10		42.1		42.1	17.8	24.3
BANFF AA	255.0	0.05		12.8		12.8	7.2	5.6
BANFF DD	493.0	0.05		24.7		24.7	12.3	12.4
FIELD TOTAL	12 303.3			1 099.9		1 099.9	692.9	407.0

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
32	4.01	0.100	0.40	0.90	80	854	49	14 085	1 630.0	1952	88 08 - GPP
64	15.39	0.066	0.40	0.62	134	817	65	15 170	2 232.7	1980	82 12
16	17.80	0.077	0.22	0.62	180	780	65	15 410	2 149.6	1981	88 12
64	15.90	0.090	0.30	0.62	134	823	65	15 186	2 154.8	1980	85 12
2 492	8.25	0.112	0.25	0.79	98	810	40	10 462	1 406.5	1969	87 11
1 547	2.01	0.153	0.30	0.80	88	800	50	10 159	1 507.4	1958	90 07
64	6.80	0.120	0.30	0.80	88	816	70		1 560.4	1988	88 12
16	5.00	0.170	0.26	0.93	28	866	36	9 149	1 045.0	1981	90 12 - ABAND 92 08
698	5.77	0.145	0.35	0.79	76	834	57	10 240	1 539.2	1967	92 12 - GPP
128	4.61	0.180	0.38	0.79	88	831	40	7 832	1 523.7	1959	85 08 - GPP
64	2.70	0.130	0.25	0.79	88	834	54	10 396	1 764.9	1981	90 12
64	3.20	0.120	0.42	0.80	76	837	57	10 147	1 785.3	1990	90 12 - GPP
64	4.20	0.150	0.20	0.79	80	884	70	16 084	2 166.6	1980	90 12
64	3.00	0.250	0.35	0.90	28	865	31	5 270	723.0	1981	88 12 - GPP
147	2.08	0.160	0.25	0.87	51	898	52	11 050	1 475.3	1965	83 12 - GPP
64	2.00	0.210	0.40	0.86	56	850	32	9 146	1 217.5	1982	82 08 - GPP
64	2.90	0.170	0.40	0.88	49	867	37	9 274	1 206.6	1984	85 01 - GPP
64	3.70	0.180	0.37	0.86	57	850	37	8 080	1 155.0	1986	92 04
64	5.80	0.230	0.34	0.88	49	880	36	9 280	1 261.4	1986	88 03 - GPP
64	3.00	0.210	0.35	0.84	66	860	35	8 843	1 207.5	1986	88 01 - GPP
64	4.70	0.210	0.24	0.87	51	853	42	8 845	1 276.9	1987	88 06 - ABAND 89 09
64	3.00	0.140	0.35	0.92	30	853	38	9 461	1 264.5	1987	91 10 - ABAND 89 09
16	3.70	0.140	0.45	0.80	79	877	56	9 667	1 266.9	1989	92 10 - ABAND 92 08
64	1.10	0.180	0.40	0.83	64	844	47	8 886	1 269.6	1987	88 03 - ABAND 90 03
64	4.86	0.035	0.46	0.85	61	849	42	9 310	1 255.9	1970	86 10 - GPP
259	4.71	0.070	0.26	0.88	58	862	40	8 300	1 271.3	1984	91 12
384	5.72	0.060	0.26	0.85	60	864	39	9 852	1 225.5	1984	85 12 - GPP
64	6.30	0.045	0.26	0.85	60	882	42	9 152	1 246.8	1985	89 12
805	7.96	0.080	0.21	0.85	55	860	47	9 225	1 249.2	1986	90 03
192	14.18	0.054	0.23	0.85	61	885	42	9 501	1 248.9	1986	88 01 - GPP
64	7.00	0.030	0.22	0.85	66	860	33	8 926	1 257.3	1982	86 06 - GPP
72	6.60	0.080	0.38	0.85	61	849	42	9 581	1 247.8	1981	88 12 - GPP
423	5.64	0.050	0.25	0.85	61	877	42	9 425	1 231.0	1982	87 11 - GPP
64	16.00	0.050	0.26	0.85	61	882	42	9 362	1 272.0	1986	86 12 - GPP
64	7.50	0.060	0.35	0.85	66	883	31	9 458	1 235.8	1986	87 01
16	6.30	0.040	0.37	0.85	66	883	31	9 268	1 240.0	1986	92 12 - ABAND 92 10
64	11.00	0.040	0.30	0.85	66	883	31	9 608	1 232.5	1986	89 12 - GPP
64	9.50	0.060	0.25	0.85	63	849	42	8 722	1 252.8	1986	87 10 - GPP
64	27.00	0.050	0.33	0.85	61	850	30	9 555	1 269.2	1987	89 12
192	14.28	0.050	0.31	0.85	61	849	42	9 056	1 279.8	1987	91 12 - GPP
128	12.56	0.040	0.23	0.85	61	849	42	9 142	1 267.1	1987	89 12 - GPP
64	9.60	0.065	0.25	0.85	61	845	42	9 114	1 250.0	1987	89 11
64	21.00	0.065	0.32	0.83	64	875	47	8 481	1 299.5	1987	91 12 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
WAYNE-ROSEDALE								
027-20W4								
VIKING H	73.6	0.10		7.3		7.3	5.3	2.0
VIKING M	106.0	<0.04		4.2		4.2	4.2	
UPPER MANNVILLE E	176.0	<0.02		1.9		1.9	1.9	
GLAUCONITIC F	159.0	<0.01		0.9		0.9	0.9	
GLAUCONITIC L	130.0	0.10		13.0		13.0	5.6	7.4
GLAUCONITIC M	109.0	<0.03		2.7		2.7	2.7	
GLAUCONITIC N	107.0	<0.02		1.6		1.6	1.6	
GLAUCONITIC DD	93.7	<0.01		0.4		0.4	0.4	
GLAUCONITIC EE	105.0	0.10		10.5		10.5	0.1	10.4
GLAUCONITIC KK	107.0	0.10		10.7		10.7	2.5	8.2
GLAUCONITIC QQ	239.0	0.10		23.9		23.9		23.9
OSTRACOD D	78.3	0.10		7.8		7.8	4.2	3.6
OSTRACOD U	175.0	0.10		17.5		17.5	5.4	12.1
OSTRACOD M	224.0	0.10		22.4		22.4	19.0	3.4
BASAL QUARTZ B	10 900.0	0.08		872.0		872.0	754.0	118.0
BASAL QUARTZ E	4 504.0	0.03		135.0		135.0	89.2	45.8
BASAL QUARTZ F	105.0	0.10		10.5		10.5	10.4	0.1
BASAL QUARTZ G	76.8	<0.01		0.1		0.1	0.1	
BASAL QUARTZ H	157.0	<0.02		2.5		2.5	2.5	
BASAL QUARTZ O	149.0	0.04		6.0		6.0	5.2	0.8
BASAL QUARTZ U	132.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ AA	124.0	<0.01		0.3		0.3	0.3	
BASAL QUARTZ BB	357.0	<0.01		0.3		0.3	0.3	
BASAL QUARTZ DD	84.3	0.06		5.1		5.1	3.5	1.6
BASAL QUARTZ EE	205.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ FF	156.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ GG	2 731.0	0.10		273.0		273.0	160.5	112.5
BASAL QUARTZ NN	291.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ OO	463.0	0.10		46.3		46.3	19.5	26.8
BASAL QUARTZ PP	441.0	0.02		8.8		8.8	7.7	1.1
BASAL QUARTZ QQ	184.0	0.10		18.4		18.4	7.0	11.4
BASAL QUARTZ RR	150.0	0.10		15.0		15.0	6.5	8.5
BASAL QUARTZ VV	424.0	0.02		8.5		8.5	2.3	6.2
BASAL QUARTZ CCC	510.0	0.10		51.0		51.0	7.5	43.5
BASAL QUARTZ FFF	85.2	<0.01		0.5		0.5	0.5	
BASAL QUARTZ GGG	214.0	0.04		8.6		8.6	5.6	3.0
BASAL QUARTZ JJJ	1 156.0	0.10		116.0		116.0	10.7	105.3
BASAL QUARTZ MMM	110.0	0.02		2.2		2.2	0.1	2.1
BANFF C	300.0	0.15		45.0		45.0	41.0	4.0
FIELD TOTAL	25 891.9			1 750.4		1 750.4	1 188.7	561.7
WEMBLEY 073-08W6								
CHARLIE LAKE A	90.1	0.10		9.0		9.0	8.7	0.3
CHARLIE LAKE B	177.0	0.10		17.7		17.7	11.7	6.0
CHARLIE LAKE C	146.0	0.10		14.6		14.6	4.2	10.4
CHARLIE LAKE D	137.0	0.20		27.4		27.4	21.2	6.2
CHARLIE LAKE F	176.0	0.15		26.4		26.4	8.0	18.4
CHARLIE LAKE G	143.0	0.20		28.6		28.6	22.0	6.6
CHARLIE LAKE H & I	134.0	0.11		14.7		14.7	2.7	12.0
HALFWAY R	49.6	0.01		0.5		0.5	0.5	
HALFWAY U	99.0	0.15		14.9		14.9	5.1	9.8
HALFWAY V	142.0	0.10		14.2		14.2	2.6	11.6
HALFWAY B	23 000.0	0.20		4 600.0		4 600.0	2 462.6	2 137.4
DOIG E	2 817.0	0.10		282.0		282.0	211.8	70.2
DOIG F	70.5	0.15		10.6		10.6	0.8	9.8
DOIG G	1 205.0	0.03		36.2		36.2	22.2	14.0
DOIG H	104.0	0.10		10.4		10.4		10.4
FIELD TOTAL	28 490.2			5 107.2		5 107.2	2 784.1	2 323.1
WEST COVE 055-06W5								
NORDEGG-BANFF A	224.0	<0.01		2.1		2.1	2.1	
NORDEGG-BANFF B	144.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	368.0			2.2		2.2	2.2	
WEST DRUMHELLER								
030-20W4								
D-2 A	10 040.0	0.48		4 819.0		4 819.0	4 616.2	202.8
D-2 B	30.4	<0.01		0.1		0.1	0.1	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
65	0.91	0.220	0.35	0.87	54	811	39	6 571	1 042.4	1973	76 05 - GPP
64	1.22	0.240	0.35	0.87	54	811	32	7 920	1 053.7	1977	88 12 - GPP
16	14.00	0.140	0.30	0.80	88	857	40	10 040	1 437.3	1979	92 12 - GPP
65	1.86	0.200	0.20	0.82	80	829	43	9 690	1 351.0	1961	82 12 - ABAND 90 10
64	3.10	0.140	0.46	0.87	53	876	46	9 970	1 338.5	1973	79 01 - GPP
16	5.50	0.230	0.39	0.88	47	892	46	9 570	1 339.0	1978	92 12 - GPP
16	6.10	0.180	0.25	0.81	64	856	52	9 437	1 224.8	1958	92 12 - GPP
64	2.20	0.150	0.49	0.87	50	869	45	8 509	1 329.5	1984	88 12 - GPP
64	1.90	0.170	0.39	0.83	66	860	43	8 974	1 218.7	1984	85 12 - GPP
64	1.40	0.190	0.23	0.82	56	857	45	9 419	1 377.4	1989	89 08 - GPP
64	3.20	0.200	0.33	0.87	60	849	44	9 767	1 369.2	1991	92 11 - GPP
64	1.50	0.170	0.40	0.80	98	869	39	8 953	1 446.3	1980	81 07 - GPP
128	1.07	0.210	0.24	0.80	62	870	43	8 932	1 414.5	1979	86 12 - GPP
128	1.89	0.190	0.39	0.80	82	870	40	8 961	1 392.9	1987	89 05 - GPP
1 463	11.83	0.160	0.52	0.82	71	870	44	10 340	1 369.2	1954	86 01 - GPP
830	7.56	0.150	0.45	0.87	48	878	47	10 270	1 354.6	1959	90 02 - GPP
110	1.00	0.170	0.30	0.80	74	870	48	10 340	1 371.9	1957	86 12 - GPP
16	10.70	0.123	0.55	0.81	71	870	43	9 790	1 374.3	1962	63 02 - ABAND 63 08
16	9.14	0.180	0.27	0.81	74	870	48	10 070	1 440.8	1961	71 05 - ABAND 83 02
65	2.44	0.226	0.49	0.82	53	860	38	10 051	1 445.4	1959	78 10 - GPP
16	6.71	0.220	0.32	0.82	74	865	49	9 900	1 364.6	1971	92 11 - ABAND 72 06
16	7.50	0.190	0.35	0.84	68	857	38	9 290	1 414.8	1979	92 11 - ABAND 81 08
64	8.20	0.160	0.50	0.85	68	857	40	9 700	1 455.9	1979	82 12 - ABAND 81 05
32	3.66	0.150	0.40	0.80	67	857	41	8 586	1 360.9	1979	92 12 - GPP
64	4.39	0.140	0.35	0.80	88	857	41	10 515	1 494.0	1979	83 12 - GPP
64	3.90	0.120	0.35	0.80	88	857	44	10 091	1 443.3	1979	80 08 - GPP
826	4.92	0.150	0.44	0.80	63	862	38	9 649	1 353.6	1976	92 06 - GPP
64	6.00	0.170	0.45	0.81	58	883	39	9 636	1 390.3	1981	82 11 - GPP
128	9.30	0.120	0.60	0.81	72	863	38	9 620	1 203.2	1981	85 12 - GPP
64	12.00	0.140	0.50	0.82	70	872	47	9 834	1 288.5	1981	86 12 - GPP
64	5.00	0.140	0.50	0.82	70	882	47	9 804	1 254.2	1980	83 01 - GPP
64	5.30	0.120	0.55	0.82	74	819	39	8 723	1 229.2	1982	83 01 - GPP
64	9.40	0.160	0.45	0.80	60	876	52	9 554	1 336.3	1980	85 12 - GPP
340	2.82	0.130	0.53	0.87	53	885	40	8 763	1 233.9	1984	87 11 - GPP
16	9.00	0.140	0.52	0.88	48	878	47	9 233	1 315.5	1986	92 10 - GPP
64	4.30	0.180	0.48	0.83	70	857	30	8 500	1 257.0	1977	87 01 - GPP
128	12.67	0.150	0.46	0.88	48	878	46	9 488	1 377.0	1989	91 09 - GPP
16	10.60	0.140	0.44	0.83	66	855	49	9 373	1 328.1	1991	92 11 - GPP
193	2.80	0.140	0.51	0.81	59	877	36	9 856	1 385.6	1980	86 12 - GPP
64	2.00	0.110	0.20	0.80	75	832	59	19 660	2 077.4	1981	86 12 - GPP
64	3.00	0.139	0.15	0.78	183	832	83	19 546	2 064.3	1980	81 05 - GPP
64	2.80	0.120	0.13	0.78	91	845	72	19 521	2 189.2	1982	86 02 - GPP
128	2.07	0.090	0.18	0.70	135	840	66	24 435	2 033.5	1979	89 04 - GPP
64	2.40	0.180	0.15	0.75	120	823	76	19 235	2 080.4	1985	86 09 - GPP
171	1.35	0.109	0.15	0.67	140	833	72	24 614	2 055.0	1986	91 12 - GPP
64	2.70	0.140	0.24	0.73	115	820	77	28 432	2 293.0	1990	91 05 - GPP
64	2.55	0.090	0.48	0.65	183	807	83	21 172	2 225.5	1984	85 07 - GPP
64	3.80	0.082	0.32	0.73	123	830	76	20 966	2 049.9	1985	85 12 - GPP
64	6.50	0.070	0.25	0.65	183	805	83	19 424	2 726.0	1990	91 07 - GPP
7 200	6.60	0.102	0.27	0.65	183	802	83	21 443	2 128.3	1978	87 10 - GPP
592	13.71	0.070	0.26	0.67	162	802	76	21 795	2 162.4	1980	89 12 - GPP
64	2.90	0.070	0.19	0.67	140	838	73	21 141	2 143.6	1984	84 12 - GPP
192	18.16	0.075	0.28	0.64	171	809	81	23 258	2 322.1	1982	92 08 - GPP
64	2.75	0.100	0.12	0.67	162	802	76	21 750	2 069.4	1989	92 11 - GPP
16	16.17	0.156	0.37	0.88	50	904	45	11 321	1 468.9	1980	92 11 - ABAND 89 03
32	6.70	0.120	0.39	0.92	27	919	43	8 855	1 460.1	1984	85 06 - ABAND 87 03
1 730	14.00	0.070	0.20	0.74	120	815	56	13 790	1 674.3	1952	92 12 - GPP
64	2.00	0.045	0.40	0.88	120	833	44	13 280	1 700.0	1985	85 11 - ABAND 91 09

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
WEST DRUMHELLER 030-20W4 (CONTINUED)								
IRETON A	326.0	0.15		48.9		48.9	48.6	0.3
D-3 A	1 490.0	0.65		969.0		969.0	806.1	162.9
D-3 B	97.4	<0.01		0.6		0.6	0.6	
FIELD TOTAL	11 983.8			5 837.6		5 837.6	5 471.6	366.0
WEST PRAIRIE 072-15W5								
GILWOOD A	169.0	0.20		33.8		33.8	5.3	28.5
FIELD TOTAL	169.0			33.8		33.8	5.3	28.5
WESTEROSE 046-28W4								
BELLY RIVER A	451.0	0.05		22.6		22.6	3.3	19.3
LOWER MANNVILLE G	50.4	0.10		5.0		5.0		5.0
D-3	31 000.0	0.75		23 250.0		23 250.0	22 301.4	948.6
FIELD TOTAL	31 501.4			23 277.6		23 277.6	22 304.7	972.9
WESTEROSE SOUTH 043-02W5								
VIKING A	148.0	0.15		22.2		22.2	10.0	12.2
GLAUCONITIC C	185.0	0.10		18.5		18.5	1.7	16.8
OSTRACOD A	17.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ A	256.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ D	359.0	<0.01		2.1		2.1	2.1	
BASAL QUARTZ E	125.0	<0.04		4.2		4.2	4.2	
BASAL QUARTZ G	25.5	<0.04		0.9		0.9	0.9	
BANFF A	70.8	0.05		3.5		3.5	0.4	3.1
FIELD TOTAL	1 186.3			51.7		51.7	19.6	32.1
WESTLOCK 059-25W4								
VIKING R	840.0	0.02		16.8		16.8	3.3	13.5
FIELD TOTAL	840.0			16.8		16.8	3.3	13.5
WESTPEM 049-13W5								
BELLY RIVER A	68.5	0.10		6.9		6.9	0.3	6.6
BELLY RIVER B	130.0	0.15		19.5		19.5	0.8	18.7
SECOND WHITE SPECKS A	38.6	0.10		3.9		3.9	1.9	2.0
OSTRACOD A	249.0	0.10		24.9		24.9	8.9	16.0
OSTRACOD B	78.0	0.10		7.8		7.8	5.4	2.4
OSTRACOD C	39.2	<0.01		0.2		0.2	0.2	
OSTRACOD D	69.7	0.10		7.0		7.0	4.9	2.1
OSTRACOD E	31.1	0.20		6.2		6.2	4.9	1.3
OSTRACOD F	174.0	0.20		34.8		34.8	14.2	20.6
OSTRACOD G	195.0	0.20		39.0		39.0	32.7	6.3
OSTRACOD H	107.0	0.10		10.7		10.7	1.6	9.1
OSTRACOD I	61.4	0.10		6.1		6.1	0.3	5.8
OSTRACOD J & ELLERSLIE A	102.0	0.25		25.5		25.5	3.9	21.6
NISKU A SOLVENT FLOOD	2 650.0	0.40	0.43	1 060.0	1 140.0	2 200.0	2 094.4	105.6
NISKU C SOLVENT FLOOD	4 000.0	0.40	0.40	1 600.0	1 600.0	3 200.0	2 750.0	450.0
NISKU D SOLVENT FLOOD	2 200.0	0.40	0.42	880.0	924.0	1 804.0	1 706.4	97.6
FIELD TOTAL	10 193.5			3 732.5	3 664.0	7 396.5	6 630.8	765.7
WHITECOURT 060-11W5								
VIKING A	32.3	<0.02		0.5		0.5	0.5	
JURASSIC K	89.8	0.15		13.5		13.5	11.3	2.2
JURASSIC L	624.0	0.05		31.2		31.2	0.1	31.1
PEKISKO F	62.8	0.05		3.1		3.1	0.2	2.9
FIELD TOTAL	808.9			48.3		48.3	12.1	36.2
WHITEMUD 051-25W4								
BLAIRMORE	238.0	<0.18		42.2		42.2	42.2	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
445	3.05	0.040	0.25	0.80	78	811	64	13 806	1 712.4	1954	80 04 - GPP
324	7.50	0.087	0.13	0.81	69	839	57	14 070	1 723.3	1954	92 12 - GPP
64	2.50	0.120	0.41	0.86	45	848	66	14 181	1 701.8	1991	92 08 - ABAND 92 05
64	2.50	0.170	0.30	0.89	36	835	86	23 924	2 271.3	1990	90 09
64	9.30	0.189	0.55	0.89	52	845	33	6 458	932.0	1986	86 08 - GPP
32	3.10	0.120	0.45	0.77	95	882	66	11 098	1 655.3	1989	92 06
652	72.67	0.105	0.07	0.67	166	820	82	17 930	2 204.6	1952	90 12 - GPP
128	2.57	0.087	0.37	0.82	80	827	51	15 329	1 747.3	1986	90 07 - GPP
32	11.30	0.120	0.46	0.79	92	862	52	16 845	2 106.5	1989	91 03
64	0.80	0.065	0.36	0.80	74	870	72	16 389	1 868.3	1980	89 12
64	5.50	0.130	0.30	0.80	86	882	60	12 635	1 889.8	1980	83 12 - ABAND 87 06
64	5.00	0.165	0.15	0.80	85	851	59	16 249	1 852.0	1984	89 12 - ABAND 90 06
64	3.30	0.095	0.17	0.75	120	854	60	18 025	1 992.6	1985	92 12 - ABAND 92 10
64	1.00	0.090	0.32	0.65	174	812	80	17 569	1 904.7	1988	91 10 - ABAND 90 05
32	2.80	0.130	0.24	0.80	90	910	49	12 886	1 771.6	1980	91 12 - GPP
740	1.81	0.150	0.56	0.95	42	837	29	4 320	776.3	1976	90 12 - GPP
32	3.90	0.120	0.48	0.88	98	830	47	11 000	1 548.7	1991	92 12 - GPP
64	3.70	0.120	0.43	0.80	80	810	49	11 271	1 550.5	1991	92 06
64	2.00	0.050	0.15	0.71	120	820	63	14 406	2 104.0	1988	88 12 - GPP
64	4.00	0.150	0.10	0.72	125	811	88	17 037	2 462.0	1981	82 11 - GPP
64	2.40	0.083	0.15	0.72	110	778	80	32 200	2 432.7	1983	84 09
64	1.70	0.085	0.20	0.53	165	805	97	20 050	2 738.7	1985	87 12
64	1.58	0.114	0.16	0.72	110	786	95	27 286	2 393.9	1986	86 09
64	1.00	0.090	0.25	0.72	185	854	96	22 597	2 389.5	1988	90 12 - GPP
128	3.00	0.085	0.30	0.76	260	812	96	38 290	2 755.8	1988	89 12
264	1.46	0.090	0.26	0.76	125	807	85	26 524	2 462.8	1990	92 08
64	1.60	0.170	0.17	0.74	116	821	78	30 231	2 549.3	1990	91 05
64	1.80	0.090	0.25	0.79	114	814	89	31 647	2 803.5	1989	92 04
64	2.40	0.115	0.22	0.74	160	826	92	25 602	2 493.0	1991	92 10
61	79.62	0.100	0.12	0.62	208	815	100	38 230	2 929.4	1977	88 08 - GPP
60	90.35	0.110	0.14	0.78	130	824	104	31 915	3 033.0	1979	85 02 - GPP
77	49.54	0.117	0.07	0.53	328	798	104	40 962	3 139.3	1979	88 08 - GPP
65	0.61	0.170	0.40	0.80	82	844	66	8 290	1 252.4	1968	71 05 - ABAND 70 05
64	3.00	0.110	0.50	0.85	52	864	68	11 050	1 719.8	1976	88 12 - GPP
64	9.55	0.185	0.38	0.89	88	887	70	16 291	1 826.6	1987	88 09
16	4.00	0.180	0.38	0.88	47	951	62	12 668	1 532.5	1987	88 05
81	3.47	0.150	0.30	0.81	77	839	53	9 030	1 244.2	1949	74 12 - ABAND 70 09

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
WHITEMUD 051-25W4 (CONTINUED) ELLERSLIE A	215.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	453.0			42.6		42.6	42.6	
WIDEWATER 073-07W5 GILWOOD A	695.0	0.20		139.0		139.0	35.5	103.5
FIELD TOTAL	695.0			139.0		139.0	35.5	103.5
WILDUNN CREEK 029-14W4 BANFF A	158.0	0.10		15.8		15.8	1.6	14.2
FIELD TOTAL	158.0			15.8		15.8	1.6	14.2
WILDWOOD 054-09W5 BASAL QUARTZ A PEKISKO A	204.0 499.0	0.02 <0.02		4.1 8.5		4.1 8.5	2.2 8.5	1.9
FIELD TOTAL	703.0			12.6		12.6	10.7	1.9
WILLESSEN GREEN 042-07W5								
BELLY RIVER A WATER FLOOD	1 220.0	0.06	0.06	73.2	73.2	146.0	113.9	32.1
BELLY RIVER B	2 179.0	0.02		43.6		43.6	37.7	5.9
BELLY RIVER C	42.5	0.15		6.4		6.4	4.6	1.8
BELLY RIVER H	331.0	0.12		39.7		39.7	31.2	8.5
BELLY RIVER J	200.0	0.10		20.0		20.0	16.4	3.6
BELLY RIVER L	307.0	0.03		9.2		9.2	8.9	0.3
BELLY RIVER M	351.0	<0.01		0.1		0.1	0.1	
BELLY RIVER N	628.0	0.03		18.8		18.8	1.5	17.3
BELLY RIVER D	325.0	0.03		9.8		9.8	5.1	4.7
BELLY RIVER Q	359.0	<0.01		0.6		0.6	0.6	
BELLY RIVER R	454.0	0.03		13.6		13.6	2.7	10.9
BELLY RIVER S	314.0	<0.01		0.1		0.1	0.1	
BELLY RIVER T	165.0	0.02		3.3		3.3	1.9	1.4
BELLY RIVER V	305.0	0.08		24.4		24.4	17.8	6.6
BELLY RIVER Y	85.5	0.10		8.6		8.6	1.0	7.6
BELLY RIVER Z	124.0	<0.01		0.4		0.4	0.4	
BELLY RIVER BB	185.0	0.03		5.6		5.6	1.7	3.9
BELLY RIVER DD	70.1	0.10		7.0		7.0	0.5	6.5
BELLY RIVER EE	388.0	0.07		27.2		27.2	18.0	9.2
BELLY RIVER HH	148.0	<0.01		0.3		0.3	0.3	
BELLY RIVER II	426.0	0.05		21.3		21.3	10.3	11.0
BELLY RIVER JJ	115.0	0.05		5.8		5.8	3.9	1.9
BELLY RIVER MM	217.0	0.10		21.7		21.7	6.8	14.9
BELLY RIVER NN	178.0	0.10		17.8		17.8	1.1	16.7
BELLY RIVER OO	457.0	0.05		22.9		22.9	11.0	11.9
BELLY RIVER PP	229.0	<0.01		0.3		0.3	0.3	
BELLY RIVER QQ	97.6	0.05		4.9		4.9	3.9	1.0
BELLY RIVER RR	455.0	0.10		45.5		45.5	21.3	24.2
BELLY RIVER SS	160.0	0.05		8.0		8.0	0.1	7.9
BELLY RIVER TT	209.0	0.10		20.9		20.9	1.3	19.6
BELLY RIVER UU	147.0	0.10		14.7		14.7	3.0	11.7
BELLY RIVER VV	160.0	<0.01		0.2		0.2	0.2	
BELLY RIVER WW	405.0	0.05		20.2		20.2	0.7	19.5
BELLY RIVER W & X	442.0	0.05		22.1		22.1	4.0	18.1
BELLY RIVER FF & XX	114.0	0.10		11.4		11.4	0.6	10.8
CARDIUM A TOTAL	141 600.0			11 430.0	15 180.0	26 610.0	18 541.5	8 068.5
PRIMARY AREA	37 520.0	0.07		2 626.0		2 626.0		
SOLVENT FLOOD AREA	35 600.0	<0.07	0.07	2 480.0	2 480.0	4 960.0		
WATER FLOOD AREA	68 500.0	<0.10	0.18	6 320.0	12 700.0	19 020.0		
CARDIUM D	122.0	0.07		8.6		8.6	0.1	8.5
CARDIUM E	409.0	0.10		40.9		40.9	36.2	4.7
CARDIUM G	88.2	0.05		4.4		4.4	1.7	2.7
CARDIUM H	170.0	0.11		18.7		18.7	14.3	4.4
CARDIUM I	190.0	0.10		19.0		19.0	6.2	12.8
CARDIUM J	243.0	0.02		4.9		4.9	2.5	2.4
CARDIUM K	86.9	<0.02		1.3		1.3	1.3	
CARDIUM L	76.6	<0.01		0.1		0.1	0.1	

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	3.20	0.190	0.30	0.79	97	840	54	9 612	1 264.5	1987	92 10
285	2.70	0.170	0.31	0.77	95	817	62	18 988	1 857.0	1990	92 03
64	3.90	0.080	0.10	0.88	51	877	43	9 137	1 117.5	1990	91 07
64	4.20	0.130	0.20	0.73	128	839	65	16 374	1 767.5	1980	86 12
128	5.21	0.120	0.22	0.80	75	852	58	12 955	1 732.6	1982	89 12
324	4.24	0.140	0.28	0.88	62	815	53	9 070	1 538.3	1961	85 12 - GPP
512	4.86	0.137	0.23	0.83	62	815	54	9 140	1 568.8	1956	89 12 - GPP
30	1.22	0.200	0.30	0.83	60	815	53	8 960	1 531.0	1961	90 07 - GPP
64	6.85	0.130	0.30	0.83	62	820	47	9 220	1 597.2	1968	88 12 - GPP
245	0.91	0.154	0.30	0.83	59	815	52	9 530	1 525.8	1955	88 12
65	5.18	0.153	0.28	0.83	67	815	53	8 960	1 486.5	1962	80 12 - GPP
64	6.30	0.150	0.30	0.83	58	815	52	7 511	1 390.0	1978	82 12
128	7.70	0.137	0.44	0.83	65	825	56	8 144	1 413.6	1981	89 11 - GPP
64	5.90	0.140	0.26	0.83	66	831	42	8 636	1 461.2	1982	86 12 - GPP
64	5.30	0.150	0.15	0.83	65	773	55	8 659	1 532.1	1982	85 12 - ABAND 82 12
128	5.98	0.130	0.45	0.83	61	835	55	8 214	1 402.1	1982	89 01 - GPP
64	6.50	0.130	0.30	0.83	61	835	55	9 396	1 619.8	1978	84 03
64	3.70	0.120	0.30	0.83	61	835	55	10 233	1 578.7	1983	86 12 - GPP
64	6.30	0.130	0.30	0.83	61	834	55	9 360	1 561.2	1979	92 09 - GPP
32	4.60	0.140	0.50	0.83	61	835	55	14 471	1 574.0	1962	92 06 - GPP
64	2.00	0.180	0.35	0.83	70	844	40	9 145	1 509.0	1983	88 12
64	4.59	0.152	0.50	0.83	70	835	51	9 800	1 460.8	1984	87 12 - GPP
64	2.00	0.120	0.45	0.83	65	825	55	9 973	1 527.5	1985	86 07 - GPP
128	4.21	0.124	0.30	0.83	68	823	52	8 271	1 609.5	1982	90 04 - GPP
64	5.00	0.110	0.40	0.70	130	782	54	10 870	1 630.1	1987	87 08
128	9.18	0.118	0.63	0.83	65	835	51	9 789	1 555.4	1987	88 01
64	3.60	0.120	0.50	0.83	65	835	51	8 339	1 593.6	1987	88 01 - GPP
128	2.41	0.128	0.33	0.82	68	816	51	7 482	1 360.9	1987	89 05 - GPP
64	3.92	0.133	0.24	0.70	130	781	54	7 867	1 530.5	1987	88 08 - GPP
201	2.53	0.161	0.32	0.82	63	810	49	7 444	1 425.7	1987	91 12
64	4.60	0.150	0.26	0.70	130	782	54		1 482.4	1987	92 10
64	2.60	0.125	0.33	0.70	130	782	54		1 500.0	1987	88 11 - GPP
96	6.31	0.147	0.27	0.70	130	781	54	9 470	1 508.0	1988	92 11 - GPP
64	3.90	0.110	0.30	0.83	65	848	52	7 998	1 580.7	1976	92 10
64	4.00	0.155	0.38	0.85	54	831	53	7 617	1 370.8	1988	89 03
64	3.80	0.150	0.47	0.76	103	824	54	8 658	1 431.0	1973	89 05 - GPP
64	2.40	0.180	0.32	0.85	54	782	53	13 380	1 432.7	1989	92 10
64	10.50	0.140	0.50	0.86	121	876	54	14 042	1 566.8	1983	90 04 - GPP
111	7.29	0.120	0.35	0.70	61	835	55	9 641	1 505.6	1964	87 05 - GPP
64	2.45	0.135	0.35	0.83	130	815	54	8 469	1 540.9	1986	87 05
73 397					176	820	60	21 200	1 897.4	1954	91 10 - GPP
30 170	1.90	0.114	0.13	0.66							
10 313	4.83	0.111	0.13	0.74							
32 914	2.29	0.153	0.10	0.66							
65	4.27	0.080	0.15	0.65	177	825	60	20 240	1 824.4	1976	78 09
192	4.26	0.100	0.23	0.65	176	830	55	20 340	1 914.1	1978	85 12 - GPP
64	2.90	0.100	0.34	0.72	49	844	60	20 680	1 900.5	1965	84 12 - GPP
64	2.78	0.150	0.15	0.75	110	834	60	20 796	1 914.6	1975	91 12 - GPP
64	3.00	0.150	0.13	0.76	100	832	60	19 651	1 985.3	1979	79 12
64	4.40	0.130	0.15	0.78	97	830	68	20 174	1 911.5	1983	86 12 - GPP
64	2.00	0.100	0.13	0.78	97	830	68	19 825	2 012.0	1979	88 12
64	1.80	0.140	0.34	0.72	110	830	71	21 546	2 056.0	1980	87 09 - ABAND 89 03

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
WILLESDEN GREEN 042-07W5 (CONTINUED)								
SECOND WHITE SPECKS A	54.7	0.20		10.9		10.9	7.0	3.9
SECOND WHITE SPECKS B	730.0	0.02		14.6		14.6	8.5	6.1
SECOND WHITE SPECKS D	729.0	0.04		29.2		29.2	25.3	3.9
SECOND WHITE SPECKS E	573.0	0.15		86.0		86.0	51.9	34.1
SECOND WHITE SPECKS F	294.0	0.05		14.7		14.7	12.8	1.9
SECOND WHITE SPECKS G	106.0	<0.02		1.2		1.2	1.2	
SECOND WHITE SPECKS H	439.0	0.10		43.9		43.9	6.8	37.1
SECOND WHITE SPECKS I	356.0	0.10		35.6		35.6	4.3	31.3
SECOND WHITE SPECKS J	132.0	0.10		13.2		13.2		13.2
SECOND WHITE SPECKS K	2 183.0	0.02		43.7		43.7	18.5	25.2
SECOND WHITE SPECKS L	2 769.0	0.05		138.0		138.0	24.3	113.7
SECOND WHITE SPECKS M	166.0	0.04		6.6		6.6	5.0	1.6
SECOND WHITE SPECKS N	336.0	0.10		33.6		33.6	2.8	30.8
VIKING A	7 103.0	0.11		781.0		781.0	620.6	160.4
VIKING B	524.0	0.25		131.0		131.0	115.7	15.3
VIKING G	190.0	0.15		28.5		28.5	16.7	11.8
VIKING H	1 650.0	0.05		82.5		82.5	73.8	8.7
VIKING L	28.7	<0.09		2.4		2.4	2.4	
VIKING M	50.7	<0.02		0.6		0.6	0.6	
VIKING O	19.3	<0.03		0.5		0.5	0.5	
VIKING R	83.9	0.10		8.4		8.4	3.7	4.7
VIKING S	45.7	<0.02		0.8		0.8	0.8	
VIKING T	89.8	0.15		13.5		13.5	3.8	9.7
VIKING V	12.3	0.15		1.8		1.8	1.8	
VIKING W	90.1	0.20		18.0		18.0	9.6	8.4
VIKING Y	39.8	<0.02		0.5		0.5	0.5	
VIKING Z	440.0	0.04		19.8		19.8	19.4	0.4
VIKING AA	24.4	0.20		4.9		4.9	3.9	1.0
VIKING BB	37.9	0.15		5.7		5.7	3.7	2.0
VIKING CC	33.8	0.20		6.8		6.8	6.3	0.5
VIKING DD	59.4	0.15		8.9		8.9	1.2	7.7
VIKING EE	45.9	0.20		9.2		9.2	5.1	4.1
GLAUCONITIC D	102.0	<0.01		0.6		0.6	0.6	
GLAUCONITIC E	81.3	<0.03		1.7		1.7	1.7	
GLAUCONITIC A & ELLERSLIE D TOTAL	1 629.0			234.0	70.5	305.0	260.0	45.0
PRIMARY AREA	219.0	0.10		21.9		21.9		
WATER FLOOD AREA	1 410.0	0.15	0.05	212.0	70.5	283.0		
OSTRACOD A	151.0	<0.01		0.6		0.6	0.6	
ELLERSLIE B	134.0	0.10		13.4		13.4	5.9	7.5
ELLERSLIE E	92.2	0.10		9.2		9.2	5.8	3.4
ELLERSLIE F	206.0	<0.01		0.4		0.4	0.4	
ROCK CREEK B	54.0	<0.01		0.2		0.2	0.2	
ROCK CREEK C	135.0	<0.01		1.3		1.3	1.3	
ROCK CREEK D	118.0	<0.01		0.1		0.1		0.1
ROCK CREEK E	56.9	0.10		5.7		5.7	2.1	3.6
ROCK CREEK F	125.0	0.15		18.8		18.8	15.2	3.6
ROCK CREEK G	475.0	0.15		71.3		71.3		71.3
NORDEGG A	95.3	<0.01		0.6		0.6	0.6	
FIELD TOTAL	177 869.5			14 031.4	15 323.7	29 355.2	20 289.7	9 065.5
WILLINGDON 055-17W4								
VIKING H	87.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	87.0			0.2		0.2	0.2	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
100	1.22	0.080	0.20	0.70	149	801	71	21 520	2 051.0	1975	87 12 - GPP
64	10.80	0.220	0.25	0.64	187	818	40	22 893	2 082.0	1979	82 10 - GPP
128	14.10	0.090	0.30	0.64	186	833	69	24 183	2 113.8	1979	89 12
242	9.87	0.050	0.25	0.64	180	815	62	23 566	2 164.8	1985	91 02 - GPP
192	3.59	0.090	0.26	0.64	187	833	69	24 077	2 128.9	1982	92 05 - GPP
4	35.20	0.150	0.30	0.72	125	820	72	23 088	2 201.0	1981	92 11
64	17.00	0.090	0.30	0.64	187	833	69	24 060	2 121.0	1985	88 07 - GPP
64	13.80	0.090	0.30	0.64	187	833	69	23 472	2 126.0	1985	88 07
64	5.10	0.090	0.30	0.64	187	833	69	23 096	2 080.4	1985	88 07
128	15.45	0.230	0.25	0.64	187	833	70	20 048	2 056.7	1985	92 12
341	14.10	0.120	0.25	0.64	187	834	69	22 343	2 076.6	1989	90 12
16	18.00	0.120	0.25	0.64	187	834	69	22 343	2 072.0	1989	92 11
64	12.50	0.080	0.25	0.70	129	825	64	23 047	2 098.3	1989	92 01
7 900	2.41	0.082	0.30	0.65	154	834	74	25 168	2 182.8	1956	86 01 - GPP
800	1.65	0.090	0.30	0.63	177	815	79	22 702	2 103.0	1955	92 12 - GPP
90	4.20	0.100	0.25	0.67	166	840	81	26 409	2 226.6	1980	85 12
384	4.90	0.160	0.13	0.63	180	800	86	22 796	2 294.1	1983	92 12
64	1.10	0.100	0.40	0.68	170	842	57	23 486	2 126.2	1983	89 12
64	1.30	0.130	0.31	0.68	210	823	70	22 679	2 277.9	1983	84 10 - ABAND 86 02
64	1.00	0.090	0.50	0.67	166	832	81	23 994	2 204.5	1984	84 10 - ABAND 86 08
128	1.80	0.080	0.32	0.67	166	832	81	26 153	2 200.6	1981	90 06
64	2.50	0.070	0.40	0.68	210	820	80	24 083	2 292.8	1984	84 12
64	5.04	0.063	0.35	0.68	165	824	65	21 424	2 209.3	1983	85 03
64	0.85	0.060	0.40	0.63	177	818	86	18 818	2 239.6	1983	85 05 - GPP
64	4.00	0.080	0.45	0.80	160	836	61	26 097	2 174.8	1984	85 06 - GPP
64	1.77	0.076	0.30	0.66	170	818	80	24 044	2 287.3	1982	92 10
512	2.08	0.088	0.29	0.66	150	796	79	22 869	2 271.0	1982	87 11 - GPP
64	1.00	0.080	0.30	0.68	180	825	70	24 989	2 402.0	1983	92 11 - GPP
128	1.00	0.064	0.32	0.68	154	833	38	17 445	2 135.5	1984	88 12 - GPP
100	0.90	0.080	0.30	0.67	180	830	60	21 919	2 188.5	1985	88 08 - GPP
64	2.00	0.105	0.35	0.68	154	834	74	19 571	2 109.8	1980	88 09 - GPP
64	1.70	0.090	0.30	0.67	166	832	81	27 396	2 207.2	1989	90 01 - GPP
32	4.30	0.150	0.25	0.66	171	846	73	25 244	2 318.2	1981	92 09
64	2.00	0.110	0.23	0.75	95	870	104	23 010	2 356.0	1984	91 10 - ABAND 88 07
891					106	876	76	25 890	2 286.9	1963	89 10 - GPP
124	3.58	0.102	0.30	0.69							
767	3.20	0.119	0.30	0.69							
64	3.20	0.130	0.18	0.69	145	838	72	22 617	2 402.3	1989	90 12 - ABAND 91 07
64	5.20	0.100	0.32	0.59	180	831	86	21 144	2 404.2	1983	84 09 - GPP
64	2.00	0.120	0.20	0.75	105	850	59	21 917	2 386.0	1985	85 09 - GPP
64	3.00	0.170	0.11	0.71	125	836	88	23 120	2 484.2	1985	85 09
64	3.15	0.054	0.38	0.80	83	896	70	14 313	2 366.4	1982	88 12 - ABAND 84 12
64	5.00	0.090	0.30	0.67	145	835	86	21 196	2 508.6	1983	92 10
64	3.00	0.093	0.15	0.78	79	891	70	18 741	2 487.0	1982	83 10 - ABAND 87 12
64	2.18	0.087	0.30	0.67	142	812	90	21 200	2 412.2	1984	84 09
80	4.20	0.087	0.21	0.54	160	812	89	22 809	2 483.5	1983	87 12 - GPP
64	12.20	0.130	0.40	0.78	142	867	78	17 190	2 346.5	1986	92 10
64	3.90	0.095	0.40	0.67	290	830	96	21 676	2 512.6	1987	92 10
64	1.10	0.240	0.44	0.92	30	878	28	5 016	648.5	1985	86 03 - ABAND 86 10

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
WILLOW 028-17W4 VIKING B	50.0	<0.01		0.3		0.3	0.3	
FIELD TOTAL	50.0			0.3		0.3	0.3	
WILSON CREEK 043-04W5								
BELLY RIVER A	14 460.0	0.07		1 012.0		1 012.0	287.9	724.1
BELLY RIVER D	1 811.0	0.15		272.0		272.0	120.1	151.9
BELLY RIVER F	128.0	0.10		12.8		12.8	0.3	12.5
BELLY RIVER H	285.0	0.05		14.3		14.3	3.8	10.5
BELLY RIVER I	449.0	0.10		44.9		44.9	16.1	28.8
BELLY RIVER J	237.0	0.05		11.8		11.8	2.2	9.6
BELLY RIVER M	137.0	0.10		13.7		13.7		13.7
CARDIUM A	117.0	<0.01		0.6		0.6	0.6	
CARDIUM B	354.0	0.05		17.7		17.7	9.2	8.5
CARDIUM C	111.0	<0.02		1.4		1.4	1.4	
SECOND WHITE SPECKS A	79.5	<0.01		0.5		0.5	0.5	
VIKING A	164.0	0.20		32.8		32.8	24.7	8.1
OSTRACOD A	99.6	<0.01		0.8		0.8	0.8	
BANFF B	224.0	<0.02		4.3		4.3	4.3	
FIELD TOTAL	18 656.1			1 439.6		1 439.6	471.9	967.7
WIMBORNE 034-26W4								
GLAUCONITIC B	454.0	0.10		45.4		45.4	15.9	29.5
PEKISKD C	66.7	0.10		6.7		6.7	0.1	6.6
D-2 A	682.0	0.15		102.0		102.0	89.3	12.7
D-2 B	407.0	0.10		40.7		40.7	32.1	8.6
D-3 A	13 000.0	0.30		3 900.0		3 900.0	3 702.3	197.7
FIELD TOTAL	14 609.7			4 094.8		4 094.8	3 839.7	255.1
WINDFALL 060-15W5								
BLUESKY A	297.0	0.10		29.7		29.7	17.1	12.6
GETHING D	96.8	0.10		9.7		9.7	1.9	7.8
RUNDLE A	2 000.0	0.20		400.0		400.0	365.6	34.4
D-2 A	183.0	0.05		9.2		9.2	1.9	7.3
D-3 A	13 400.0	0.22		2 948.0		2 948.0	2 409.6	538.4
D-3 B TOTAL	1 310.0			131.0	32.4	163.0	133.6	29.4
PRIMARY AREA	500.0	0.10		50.0		50.0		
GAS FLOOD AREA	810.0	0.10	0.04	81.0	32.4	113.0		
D-3 C	795.0	0.10		79.5		79.5	32.9	46.6
D-3 F	381.0	0.20		76.2		76.2	24.8	51.4
D-3 G	628.0	0.20		126.0		126.0	10.0	116.0
D-3 H	238.0	0.10		23.8		23.8	0.5	23.3
FIELD TOTAL	19 328.8			3 833.1	32.4	3 865.1	2 997.9	867.2
WINTERING HILLS 025-17W4								
VIKING A	1 400.0	0.42		588.0		588.0	503.1	84.9
VIKING P	448.0	<0.03		9.4		9.4	8.4	1.0
VIKING O	41.3	<0.01		0.1		0.1	0.1	
VIKING S	175.0	<0.01		0.8		0.8	0.8	
UPPER MANNVILLE S	101.0	0.05		5.1		5.1	0.2	4.9
U MANN I, GLAUC III & LOWER MANNVILLE W	1 885.0	0.02		37.7		37.7	30.9	6.8
LOWER MANNVILLE A	2 210.0	0.03		66.3		66.3	57.2	9.1
LOWER MANNVILLE L	148.0	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE O	210.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE R	129.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE T	660.0	0.05		33.0		33.0	30.1	2.9
LOWER MANNVILLE V	152.0	0.01		1.5		1.5	1.5	
ELLERSLIE A	115.0	<0.02		1.4		1.4	0.8	0.6
FIELD TOTAL	7 674.3			745.3		745.3	635.1	110.2
WIZARD LAKE 048-27W4								
BASAL QUARTZ A	79.3	<0.01		0.5		0.5	0.5	
BASAL QUARTZ B	86.6	<0.01		0.3		0.3	0.3	
D-2 A	613.0	<0.17		103.5		103.5	103.5	
D-3 A SOLVENT FLOOD	67 000.0	<0.66	0.20	44 200.0	13 600.0	57 800.0	52 676.9	5 123.1

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	1.00	0.150	0.40	0.87	50	811	39	6 339	1 109.8	1982	83 05 - ABAND 89 07
4 040	5.31	0.140	0.42	0.83	62	833	68	6 942	1 287.4	1979	89 09 - GPP
503	4.72	0.150	0.38	0.82	82	815	42	7 620	1 309.6	1966	89 10 - GPP
64	2.50	0.150	0.35	0.82	65	800	74	7 534	1 344.3	1987	88 12 - GPP
64	6.40	0.140	0.30	0.71	67	807	51	7 531	1 281.2	1988	89 09 - GPP
64	8.48	0.140	0.28	0.82	75	830	48	7 571	1 357.4	1988	89 09 - GPP
64	5.50	0.140	0.42	0.83	70	827	35	7 344	1 288.6	1972	89 10 - GPP
32	4.10	0.180	0.30	0.83	62	833	40	6 500	1 253.1	1986	92 08
64	3.50	0.090	0.30	0.83	65	805	58	9 115	1 615.7	1982	83 06 - ABAND 87 11
128	2.93	0.150	0.10	0.70	133	829	59	14 970	1 625.3	1971	79 07 - GPP
64	2.78	0.097	0.20	0.80	65	805	58	9 766	1 606.7	1983	88 12 - ABAND 87 05
64	4.00	0.090	0.50	0.69	130	834	66	18 661	1 768.9	1987	92 10 - ABAND 92 10
400	0.70	0.130	0.40	0.75	98	837	72	15 051	1 921.6	1987	90 04
64	1.70	0.150	0.14	0.71	122	841	64	22 703	2 199.7	1987	92 10
64	4.57	0.111	0.20	0.86	53	876	66	19 370	2 254.0	1974	83 12 - ABAND 92 09
64	6.16	0.200	0.28	0.80	220	766	76	14 755	1 771.0	1977	87 05
32	4.80	0.080	0.33	0.81	79	866	73	8 312	1 836.1	1957	92 06 - GPP
268	18.99	0.029	0.30	0.66	160	834	78	19 890	2 253.1	1961	92 12 - GPP
194	7.92	0.050	0.21	0.67	210	829	74	20 340	2 229.9	1956	92 08
6 897	4.50	0.070	0.12	0.68	206	820	79	21 170	2 282.0	1954	90 12 - GPP
64	6.78	0.120	0.25	0.76	102	849	63	20 162	2 032.2	1976	76 12 - GPP
64	3.00	0.120	0.40	0.70	156	824	82	15 315	2 098.7	1979	81 11
864	3.35	0.120	0.20	0.72	118	834	82	17 410	2 083.6	1957	91 12 - GPP
64	7.90	0.090	0.24	0.53	327	811	96	23 250	2 534.9	1978	89 04
5 859	8.84	0.060	0.12	0.49	336	811	104	25 950	2 627.3	1955	83 12 - GPP
424					243	825	103	25 230	2 619.1	1972	82 12 - GPP
168	12.50	0.050	0.12	0.54							
256	13.31	0.050	0.12	0.54							
219	12.00	0.063	0.20	0.60	220	811	103	25 550	2 746.6	1972	82 09
64	11.50	0.100	0.11	0.58	108	779	104	24 282	2 851.7	1987	90 05
64	25.06	0.075	0.10	0.58	283	809	107	24 497	2 908.0	1987	91 10
64	8.10	0.090	0.12	0.58	28	810	107	23 897	2 908.1	1990	92 09
310	4.01	0.231	0.44	0.87	56	825	27	7 860	887.6	1958	64 12
64	6.10	0.220	0.40	0.87	57	825	29	7 830	869.3	1978	92 10
64	0.90	0.150	0.45	0.87	57	835	29	7 540	876.5	1979	83 12 - ABAND 86 12
64	2.10	0.250	0.40	0.87	56	833	56	8 070	858.5	1971	86 12 - GPP
64	2.50	0.130	0.44	0.87	60	849	44	8 821	1 196.8	1990	91 07 - GPP
923	2.48	0.160	0.38	0.83	90	866	39	9 719	1 256.6	1983	90 04 - GPP
356	6.59	0.179	0.35	0.81	45	887	48	9 760	1 288.7	1965	83 12 - GPP
64	1.54	0.210	0.15	0.84	66	860	46	9 680	1 255.2	1973	92 10
64	2.90	0.205	0.32	0.81	58	860	36	9 120	1 330.3	1979	83 12 - ABAND 88 12
16	10.00	0.150	0.35	0.83	66	857	37	11 067	1 322.3	1979	92 11
64	9.80	0.200	0.35	0.81	45	887	46	9 639	1 271.3	1964	82 07 - GPP
16	6.50	0.250	0.28	0.81	64	894	38	9 552	1 277.3	1983	92 12 - GPP
16	5.74	0.220	0.30	0.81	45	887	46	9 760	1 273.8	1964	83 12 - GPP
32	2.13	0.171	0.20	0.85	50	870	49	10 790	1 465.8	1951	61 01 - ABAND 60 04
32	2.44	0.165	0.20	0.84	53	870	49	11 030	1 483.5	1952	59 05 - ABAND 60 05
494	5.24	0.041	0.23	0.75	106	839	71	13 790	1 756.6	1951	82 12 - GPP
1 075	85.10	0.105	0.07	0.75	109	834	72	15 650	1 969.0	1951	88 08 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
WIZARD LAKE 048-27W4 (CONTINUED) D-3 B	160.0	<0.07		10.8		10.8	10.8	
FIELD TOTAL	67 938.9			44 315.1	13 600.0	57 915.1	52 792.0	5 123.1
WORKING 075-04W6								
CHARLIE LAKE A	253.0	0.15		38.0		38.0	9.9	28.1
HALFWAY A	255.0	<0.03		6.5		6.5	6.5	
HALFWAY B	214.0	0.10		21.4		21.4	15.4	6.0
FIELD TOTAL	722.0			65.9		65.9	31.8	34.1
WOOD RIVER 043-23W4								
LOWER MANNVILLE A	366.0	0.15		54.9		54.9	45.7	9.2
LOWER MANNVILLE F	33.4	<0.01		0.1		0.1	0.1	
D-2 A	1 250.0	<0.16		190.0		190.0	169.1	20.9
D-2 B	673.0	0.25		168.0		168.0	107.4	60.6
D-2 C WATER FLOOD	1 150.0	0.35	0.18	403.0	207.0	610.0	534.2	75.8
D-2 D	630.0	0.10		63.0		63.0	50.1	12.9
D-2 E WATER FLOOD	1 075.0	0.35	0.15	376.0	162.0	538.0	199.2	338.8
D-3 A	365.0	0.15		54.8		54.8	39.4	15.4
D-3 B	290.0	0.30		87.0		87.0	40.4	46.6
D-3 C	124.0	0.25		31.0		31.0	5.4	25.6
FIELD TOTAL	5 956.4			1 427.8	369.0	1 796.8	1 191.0	605.8
WORSLEY 087-07W6								
CHARLIE LAKE A	826.0	0.35		289.0		289.0	190.9	98.1
CHARLIE LAKE B	6 714.0	0.10		671.0		671.0	243.4	427.6
CHARLIE LAKE C	238.0	0.05		11.9		11.9	0.8	11.1
CHARLIE LAKE D	83.3	0.10		8.3		8.3	0.1	8.2
CHARLIE LAKE G	104.0	0.10		10.4		10.4	0.1	10.3
D-1 A	63.9	0.30		19.2		19.2	4.4	14.8
D-2 A	764.0	0.30		229.0		229.0	72.0	157.0
D-3 F	188.0	0.03		5.6		5.6	4.7	0.9
D-3 M	196.0	0.30		58.8		58.8		58.8
FIELD TOTAL	9 177.2			1 303.2		1 303.2	516.4	786.8
YEKAU LAKE 052-26W4								
LOWER MANNVILLE A	106.0	<0.04		3.4		3.4	3.4	
LOWER MANNVILLE B	514.0	0.05		25.7		25.7	11.9	13.8
D-2 A	96.1	<0.01		0.1		0.1	0.1	
D-3 A	1 070.0	0.70		749.0		749.0	677.7	71.3
D-3 B	39.4	<0.01		0.3		0.3	0.3	
FIELD TOTAL	1 825.5			778.5		778.5	693.4	85.1
YOUNGSTOWN 031-09W4								
UPPER MANNVILLE A	90.6	<0.01		0.1		0.1	0.1	
ARCS	2 841.0	0.45		1 278.0		1 278.0	864.5	413.5
ARCS B	309.0	0.10		30.9		30.9	12.0	18.9
FIELD TOTAL	3 240.6			1 309.0		1 309.0	876.6	432.4
ZAMA 117-04W6								
SULPHUR POINT A	203.0	<0.02		2.3		2.3	2.3	
SULPHUR POINT B	352.0	<0.01		0.1		0.1	0.1	
SULPHUR POINT C	258.0	<0.02		3.2		3.2	3.2	
SULPHUR POINT D	319.0	0.02		6.4		6.4	2.6	3.8
SULPHUR POINT F	953.0	0.10		95.3		95.3	81.2	14.1
SULPHUR POINT R	78.9	0.10		7.9		7.9	2.5	5.4
SULPHUR POINT T	261.0	<0.01		1.5		1.5	1.5	
SULPHUR POINT U	114.0	<0.01		0.1		0.1	0.1	
SULPHUR POINT DD & KEG RIVER W5W	260.0	0.15		39.0		39.0	14.2	24.8
MUSKEG B	120.0	0.25		30.0		30.0	24.2	5.8
MUSKEG C	210.0	<0.19		39.4		39.4	39.4	
MUSKEG F	254.0	<0.10		23.3		23.3	23.3	
MUSKEG G	236.0	<0.08		18.4		18.4	18.4	
MUSKEG H	191.0	0.35		66.9		66.9	63.7	3.2
MUSKEG J	350.0	0.20		70.0		70.0	63.6	6.4

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
54	4.45	0.095	0.07	0.75	109	834	77	15 200	2 108.0	1956	72 05 - ABAND 69 12
64	3.70	0.180	0.25	0.79	80	856	52	13 521	1 537.7	1985	86 05 - GPP
128	2.62	0.170	0.42	0.77	150	865	65	13 827	1 596.9	1982	92 08 - ABAND 92 06
64	3.20	0.160	0.15	0.77	92	859	48	13 838	1 540.1	1985	86 05 - GPP
64	5.79	0.170	0.30	0.83	115	847	57	10 650	1 453.1	1956	85 01 - GPP
16	2.00	0.200	0.45	0.95	16	967	41	12 842	1 588.0	1982	83 07
468	3.93	0.100	0.14	0.79	80	887	60	16 410	1 694.1	1964	84 10
61	23.00	0.080	0.20	0.75	80	887	60	15 820	1 705.7	1963	90 12
187	12.00	0.078	0.10	0.73	133	839	62	15 840	1 768.4	1972	92 12 - GPP
31	38.74	0.080	0.17	0.79	98	887	60	15 972	1 765.9	1983	90 12 - GPP
108	16.36	0.090	0.11	0.76	109	841	72	15 937	1 756.9	1974	92 10 - GPP
64	8.10	0.100	0.12	0.80	142	865	61	16 030	1 694.3	1957	91 12 - GPP
64	8.44	0.080	0.16	0.80	77	868	61	13 004	1 780.7	1981	90 12
32	6.40	0.100	0.19	0.75	100	825	60	12 539	1 800.8	1991	92 04
323	2.07	0.190	0.26	0.88	57	844	43	8 480	1 048.8	1960	85 08
1 330	5.85	0.160	0.38	0.87	74	832	41	8 424	1 961.0	1975	91 07
64	4.10	0.170	0.40	0.89	39	853	42	7 722	1 168.4	1990	91 05 - GPP
32	4.35	0.140	0.52	0.89	44	913	45	8 689	1 373.0	1990	91 06 - GPP
64	2.00	0.170	0.40	0.80	95	882	20	8 596	1 014.9	1991	92 02
64	6.10	0.030	0.30	0.78	111	832	60	21 019	1 979.5	1990	91 01 - GPP
447	3.75	0.080	0.24	0.75	110	823	76	20 155	2 170.9	1983	92 11 - GPP
204	4.57	0.070	0.55	0.64	106	825	81	22 000	2 192.7	1961	91 05 - GPP
64	7.28	0.070	0.25	0.80	210	803	72		2 095.8	1977	92 11
16	7.01	0.150	0.22	0.81	83	855	54	9 480	1 257.6	1956	84 12 - GPP
85	5.71	0.180	0.30	0.84	58	810	56	9 480	1 276.2	1961	91 12 - GPP
65	5.79	0.042	0.24	0.80	83	820	60	20 155	1 464.6	1963	64 12 - ABAND 64 07
250	6.58	0.097	0.15	0.79	87	820	63	11 450	1 557.5	1955	86 12
16	7.32	0.060	0.30	0.80	85	849	61	11 270	1 552.7	1967	68 12 - ABAND 68 04
64	1.10	0.220	0.35	0.90	44	884	34	9 157	1 053.8	1979	83 12 - ABAND 88 07
997	2.76	0.150	0.26	0.93	18	860	42	8 760	1 132.0	1956	92 07 - GPP
64	4.70	0.130	0.16	0.94	14	839	44	8 774	1 148.7	1987	92 12 - GPP
65	5.79	0.077	0.16	0.84	64	860	66	13 100	1 370.1	1967	73 02
65	15.24	0.059	0.30	0.86	52	865	64	12 760	1 484.7	1967	69 05
19	25.91	0.070	0.13	0.86	73	839	65	12 930	1 339.9	1967	86 12
65	9.75	0.079	0.20	0.80	64	860	64	13 100	1 332.3	1967	88 07 - GPP
138	15.95	0.066	0.20	0.82	74	834	69	13 030	1 341.1	1967	91 12 - GPP
24	5.49	0.080	0.13	0.86	73	851	65	13 077	1 330.0	1967	88 02 - GPP
64	9.30	0.066	0.17	0.80	76	843	68	13 092	1 356.3	1985	92 10
64	5.00	0.050	0.12	0.81	76	834	68	13 450	1 397.3	1986	89 12
64	16.60	0.035	0.22	0.90	32	901	52	12 943	1 425.7	1983	85 01 - GPP
8	18.00	0.100	0.11	0.94	16	881	66	14 200	1 454.5	1966	92 12 - GPP
13	23.16	0.090	0.13	0.89	35	870	70	14 310	1 469.7	1966	91 10 - ABAND 91 03
10	63.89	0.060	0.20	0.83	62	860	72	13 650	1 497.2	1967	79 01
30	19.48	0.060	0.17	0.81	74	860	73	13 800	1 557.2	1967	74 12
9	47.06	0.064	0.19	0.87	47	834	70	14 450	1 460.6	1967	88 12 - GPP
27	36.82	0.050	0.20	0.88	33	881	72	14 000	1 452.4	1967	84 08 - GPP

TABLE 2-6

FIELD POOL	1	3		5			6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL			
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3	
ZAMA 117-04W6 (CONTINUED)									
MUSKEG K	29.6	0.01		0.3		0.3	0.3		
MUSKEG L	365.0	0.20		73.0		73.0	69.9	3.1	
MUSKEG N	97.7	<0.17		16.0		16.0	16.0		
MUSKEG O	286.0	0.20		57.2		57.2	45.3	11.9	
MUSKEG P	127.0	<0.12		14.1		14.1	14.1		
MUSKEG R	159.0	0.35		55.6		55.6	30.7	24.9	
MUSKEG S	77.8	<0.17		12.5		12.5	12.5		
MUSKEG T	415.0	0.25		104.0		104.0	66.0	38.0	
MUSKEG U	268.0	0.30		80.4		80.4	64.2	16.2	
MUSKEG V	400.0	0.30		120.0		120.0	98.5	21.5	
MUSKEG W	161.0	<0.07		10.8		10.8	10.8		
MUSKEG X	78.9	<0.05		3.8		3.8	3.8		
MUSKEG Y WATER FLOOD	350.0	0.20	0.10	70.0	35.0	105.0	81.7	23.3	
MUSKEG AA	80.3	<0.14		10.6		10.6	10.6		
MUSKEG BB	250.0	<0.08		18.5		18.5	18.5		
MUSKEG DD	100.0	<0.17		16.8		16.8	16.8		
MUSKEG EE	114.0	<0.29		32.8		32.8	32.8		
MUSKEG GG	365.0	0.35		128.0		128.0	94.5	33.5	
MUSKEG HH	232.0	<0.02		3.2		3.2	3.2		
MUSKEG II	120.0	0.14		16.8		16.8	16.8		
MUSKEG KK	156.0	0.05		7.8		7.8	4.4	3.4	
MUSKEG LL	159.0	0.25		39.8		39.8	33.9	5.9	
MUSKEG MM	47.8	<0.11		4.8		4.8	4.8		
MUSKEG NN	351.0	0.15		52.7		52.7	48.3	4.4	
MUSKEG OO	80.2	<0.01		0.1		0.1	0.1		
MUSKEG PP	49.9	0.25		12.5		12.5	10.3	2.2	
MUSKEG QO	140.0	0.20		28.0		28.0	6.5	21.5	
MUSKEG RR	199.0	0.30		59.7		59.7	20.1	39.6	
MUSKEG SS	95.9	<0.04		3.5		3.5	3.5		
MUSKEG TT	140.0	<0.02		1.8		1.8	1.8		
MUSKEG UU	225.0	0.20		45.0		45.0	5.7	39.3	
MUSKEG VV	40.2	<0.01		0.2		0.2	0.2		
MUSKEG WW	200.0	0.30		60.0		60.0	25.6	34.4	
MUSKEG XX	195.0	0.10		19.5		19.5	8.8	10.7	
MUSKEG YY	91.2	<0.02		1.6		1.6	1.6		
MUSKEG ZZ	64.6	0.25		16.2		16.2	1.8	14.4	
MUSKEG AAA	556.0	<0.29		159.0		159.0	158.7	0.3	
KEG RIVER A	874.0	0.39		342.0		342.0	269.5	72.5	
KEG RIVER C	324.0	<0.14		45.0		45.0	45.0		
KEG RIVER D	477.0	0.40		191.0		191.0	120.0	71.0	
KEG RIVER E	397.0	0.30		119.0		119.0	92.7	26.3	
KEG RIVER F	874.0	0.20		175.0		175.0	170.7	4.3	
KEG RIVER G	318.0	0.35		111.0		111.0	96.8	14.2	
KEG RIVER H	1 750.0	0.30	0.07	525.0	122.0	647.0	574.0	73.0	
WATER FLOOD									
KEG RIVER I	192.0	<0.01		0.7		0.7	0.7		
KEG RIVER J	477.0	0.10		47.7		47.7	45.4	2.3	
KEG RIVER K	127.0	0.35		44.5		44.5	36.6	7.9	
KEG RIVER L	234.0	0.25		58.5		58.5	48.9	9.6	
KEG RIVER M	260.0	0.15		39.0		39.0	2.0	37.0	
KEG RIVER N	360.0	0.25	0.10	90.0	36.0	126.0	112.9	13.1	
WATER FLOOD									
KEG RIVER O	1 030.0	0.24	0.06	247.0	61.8	309.0	281.2	27.8	
WATER FLOOD									
KEG RIVER P	286.0	0.35	0.15	100.0	42.9	143.0	99.6	43.4	
WATER FLOOD									
KEG RIVER R	179.0	0.33		59.1		59.1	54.9	4.2	
KEG RIVER S	874.0	0.15		131.0		131.0	99.0	32.0	
KEG RIVER T	200.0	0.30		60.0		60.0	49.6	10.4	
KEG RIVER U	715.0	0.37		265.0		265.0	208.0	57.0	
KEG RIVER V	159.0	0.15		23.9		23.9	23.9		
KEG RIVER W	191.0	0.28		53.5		53.5	53.5		
KEG RIVER X	306.0	<0.06		16.5		16.5	16.5		
KEG RIVER Y	261.0	0.15	0.05	39.2	13.1	52.3	44.1	8.2	
WATER FLOOD									
KEG RIVER Z	477.0	0.37		176.0		176.0	171.4	4.6	
KEG RIVER AA	191.0	0.35		67.0		67.0	60.3	6.7	
KEG RIVER BB	238.0	0.35		83.3		83.3	58.1	25.2	
KEG RIVER CC	795.0	0.25	0.12	199.0	95.4	294.0	276.2	17.8	
WATER FLOOD									
KEG RIVER DD	317.0	<0.08		24.4		24.4	24.4		

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
16	6.71	0.046	0.25	0.80	80	887	60	13 650	1 407.0	1967	71 01 - ABAND 82 09
12	63.84	0.070	0.18	0.83	59	844	77	15 000	1 513.0	1967	92 05 - GPP
5	55.47	0.046	0.14	0.89	37	881	71	14 000	1 508.2	1967	82 12 - GPP
11	49.88	0.069	0.09	0.83	54	844	72	15 000	1 508.9	1967	73 12 - GPP
11	28.01	0.056	0.21	0.94	16	892	66	14 070	1 467.8	1967	70 02 - ABAND 85 10
11	40.68	0.055	0.15	0.76	96	834	79	15 860	1 575.3	1967	73 08 - GPP
11	14.33	0.070	0.15	0.83	39	860	71	14 270	1 500.2	1967	68 11 - GPP
30	27.70	0.076	0.27	0.90	24	881	68	14 270	1 460.7	1967	84 09 - GPP
7	66.23	0.080	0.15	0.85	48	887	66	14 690	1 479.9	1966	88 12 - GPP
15	52.91	0.070	0.20	0.90	29	881	69	14 281	1 470.7	1966	91 12 - GPP
18	20.88	0.060	0.12	0.81	78	855	71	14 380	1 562.7	1967	73 10 - ABAND 85 02
12	10.36	0.090	0.14	0.82	67	855	71	14 100	1 530.1	1968	70 01 - GPP
42	13.45	0.080	0.10	0.86	45	855	70	14 820	1 503.9	1968	82 07 - GPP
9	24.14	0.058	0.25	0.85	57	876	71	13 340	1 490.6	1968	74 11 - GPP
31	13.90	0.075	0.12	0.88	30	860	71	13 400	1 468.5	1968	75 12 - GPP
7	25.00	0.073	0.13	0.90	25	876	67	13 870	1 446.0	1968	81 09 - ABAND 80 07
3	45.30	0.108	0.09	0.85	42	860	69	14 530	1 480.1	1968	84 06 - ABAND 88 01
7	67.47	0.100	0.08	0.84	62	887	71	13 120	1 522.2	1969	73 08 - GPP
16	38.10	0.054	0.20	0.88	41	881	70	12 700	1 502.7	1968	73 02 - ABAND 82 09
9	24.50	0.079	0.15	0.81	74	860	72	13 870	1 507.2	1967	78 12 - GPP
17	21.50	0.060	0.19	0.88	32	881	72	14 290	1 493.8	1969	86 12 - GPP
3	58.20	0.115	0.10	0.88	30	870	67	13 480	1 454.8	1969	84 12 - GPP
13	27.71	0.024	0.30	0.79	82	855	71	13 220	1 463.6	1971	74 12 - GPP
25	24.68	0.077	0.11	0.83	56	855	67	14 940	1 516.7	1972	86 12 - GPP
16	24.08	0.036	0.32	0.85	44	844	36	17 960	1 553.9	1973	74 05 - ABAND 73 09
6	15.90	0.070	0.10	0.83	91	837	80	13 676	1 536.8	1982	91 12 - GPP
31	8.24	0.070	0.10	0.87	37	839	74	12 953	1 509.2	1983	85 04 - GPP
64	8.30	0.060	0.18	0.76	95	834	62	18 035	1 502.5	1983	84 01 - GPP
16	12.00	0.070	0.14	0.83	54	844	79	13 690	1 564.0	1983	86 12 - GPP
16	16.00	0.070	0.11	0.88	35	882	71	17 953	1 499.3	1984	88 12 - GPP
39	15.61	0.050	0.16	0.88	35	878	73	14 663	1 469.8	1984	86 09 - GPP
16	5.60	0.060	0.10	0.83	60	837	77	15 402	1 578.4	1984	88 12 - ABAND 85 10
36	10.73	0.070	0.15	0.87	41	854	71	14 624	1 571.3	1985	87 02 - GPP
64	8.35	0.055	0.19	0.82	59	817	66	18 557	1 526.8	1986	88 08 - GPP
64	2.00	0.090	0.10	0.88	37	870	29	14 774	1 427.5	1987	92 06 - ABAND 90 10
64	1.50	0.090	0.14	0.87	42	882	70	13 472	1 411.4	1968	89 06 - GPP
10	105.70	0.074	0.10	0.79	74	834	79	14 960	1 583.1	1967	90 12 - GPP
25	64.33	0.071	0.11	0.86	46	876	68	14 340	1 460.0	1966	70 06 - GPP
7	82.30	0.077	0.16	0.87	50	870	69	14 760	1 482.9	1967	83 12 - ABAND 80 04
8	115.56	0.074	0.16	0.83	60	849	72	15 130	1 563.3	1967	82 12 - GPP
17	47.46	0.070	0.12	0.80	71	834	79	14 790	1 512.1	1967	92 12 - GPP
32	51.42	0.071	0.12	0.85	52	849	71	14 480	1 492.9	1967	91 12 - GPP
17	32.92	0.085	0.24	0.88	35	870	71	14 310	1 464.3	1967	75 06 - GPP
141	42.15	0.047	0.28	0.87	36	865	74	14 200	1 460.9	1966	74 09 - GPP
22	28.22	0.050	0.25	0.83	59	865	75	14 450	1 509.7	1967	68 05 - ABAND 89 03
7	91.20	0.100	0.10	0.83	66	865	72	13 952	1 549.6	1967	88 12 - GPP
17	23.40	0.050	0.24	0.84	54	865	71	13 760	1 421.9	1966	81 12 - GPP
20	34.01	0.050	0.20	0.86	46	865	72	13 800	1 444.8	1967	83 12 - GPP
50	25.60	0.036	0.32	0.83	48	865	71	14 070	1 488.0	1967	90 12 - GPP
18	52.56	0.058	0.20	0.82	64	865	71	13 900	1 500.2	1966	86 12 - GPP
35	47.45	0.087	0.19	0.88	35	860	71	14 820	1 497.8	1967	92 09 - GPP
5	109.56	0.074	0.17	0.85	54	855	68	14 620	1 523.1	1967	75 12 - GPP
10	24.23	0.100	0.17	0.89	30	876	68	14 200	1 449.6	1967	88 12 - GPP
17	90.09	0.079	0.16	0.86	42	860	69	14 890	1 496.6	1967	91 12 - GPP
15	30.00	0.060	0.15	0.87	38	870	70	14 690	1 464.6	1967	85 12 - GPP
25	58.18	0.074	0.18	0.81	65	834	77	15 030	1 527.0	1967	70 06 - GPP
32	30.70	0.030	0.35	0.83	63	865	71	13 790	1 440.2	1967	83 12 - ABAND 87 02
28	23.79	0.046	0.24	0.82	69	876	66	13 760	1 434.1	1967	83 12 - ABAND 90 02
18	34.14	0.080	0.25	0.83	33	881	69	13 690	1 433.2	1967	84 09 - GPP
12	36.27	0.081	0.12	0.84	62	865	61	13 870	1 446.9	1967	92 11 - GPP
11	71.57	0.085	0.12	0.81	73	855	72	14 520	1 512.4	1967	82 12 - GPP
7	55.27	0.070	0.18	0.86	43	870	68	14 030	1 495.7	1967	89 07 - GPP
33	30.30	0.040	0.30	0.85	76	865	72	13 760	1 553.0	1967	83 12 - GPP
13	92.88	0.087	0.12	0.86	45	860	76	14 890	1 565.5	1967	82 12 - GPP
15	48.13	0.061	0.20	0.90	35	887	63	13 810	1 419.5	1967	86 12 - ABAND 89 03

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER EE	1 030.0	0.25		258.0		258.0	233.4	24.6
KEG RIVER FF	1 270.0	0.30		381.0		381.0	341.1	39.9
KEG RIVER GG	953.0	0.08	0.03	76.2	28.6	105.0	101.0	4.0
WATER FLOOD								
KEG RIVER HH	155.0	0.25		38.8		38.8	34.4	4.4
KEG RIVER II	280.0	0.10		28.0		28.0	15.2	12.8
KEG RIVER JJ	110.0	0.30		33.0		33.0	31.9	1.1
KEG RIVER KK	176.0	0.25	0.15	44.0	26.4	70.4	47.7	22.7
WATER FLOOD								
KEG RIVER LL	173.0	0.27		46.7		46.7	45.4	1.3
WATER FLOOD								
KEG RIVER MM	86.3	0.03		2.6		2.6	2.6	
KEG RIVER NN	636.0	0.25		159.0		159.0	128.1	30.9
KEG RIVER OO	148.0	0.40		59.2		59.2	49.2	10.0
KEG RIVER PP	763.0	0.42		321.0		321.0	202.8	118.2
KEG RIVER QQ	350.0	0.30		105.0		105.0	78.5	26.5
KEG RIVER RR	223.0	<0.29		63.6		63.6	61.3	2.3
KEG RIVER SS	310.0	0.25		77.5		77.5	68.3	9.2
KEG RIVER TT	400.0	0.25	0.10	100.0	40.0	140.0	124.8	15.2
WATER FLOOD								
KEG RIVER UU	138.0	<0.15		20.5		20.5	20.5	
KEG RIVER VV	1 350.0	0.35		473.0		473.0	391.1	81.9
KEG RIVER WW	318.0	0.20		63.6		63.6	56.8	6.8
KEG RIVER XX	464.0	<0.20		90.8		90.8	90.8	
KEG RIVER YY	184.0	<0.26	0.05	46.1	9.2	55.3	55.3	
WATER FLOOD								
KEG RIVER ZZ	238.0	<0.25		58.1		58.1	58.1	
KEG RIVER BBB	207.0	0.34	0.12	70.4	24.8	95.2	64.7	30.5
WATER FLOOD								
KEG RIVER CCC	105.0	<0.03		2.8		2.8	2.8	
KEG RIVER DDD	308.0	0.25		77.0		77.0	66.4	10.6
KEG RIVER EEE	318.0	0.12		38.1		38.1	32.0	6.1
KEG RIVER FFF	169.0	0.25		42.3		42.3	23.3	19.0
KEG RIVER GGG	64.2	<0.19		12.1		12.1	12.1	
KEG RIVER HHH	325.0	<0.12		38.4		38.4	38.4	
KEG RIVER III	230.0	0.30		69.0		69.0	64.5	4.5
KEG RIVER JJJ	477.0	0.40		191.0		191.0	173.7	17.3
KEG RIVER KKK	397.0	0.20		79.4		79.4	70.9	8.5
KEG RIVER LLL	165.0	<0.10		15.7		15.7	15.7	
KEG RIVER MMM	500.0	0.30		150.0		150.0	136.2	13.8
KEG RIVER NNN	588.0	0.25		147.0		147.0	146.7	0.3
KEG RIVER OOO	533.0	<0.09		45.7		45.7	45.7	
KEG RIVER PPP	213.0	0.25		53.2		53.2	38.5	14.7
KEG RIVER QOO	397.0	0.15		59.6		59.6	42.3	17.3
KEG RIVER RRR	636.0	0.22		140.0		140.0	126.4	13.6
KEG RIVER SSS	79.5	<0.22		17.3		17.3	17.3	
KEG RIVER TTT	127.0	0.35	0.12	44.5	15.3	59.8	48.3	11.5
WATER FLOOD								
KEG RIVER VVV	443.0	0.15		66.4		66.4	47.3	19.1
KEG RIVER WWW	393.0	0.10		39.3		39.3	26.7	12.6
KEG RIVER XXX	477.0	<0.08		34.8		34.8	34.8	
KEG RIVER YYY	449.0	0.35		157.0		157.0	109.8	47.2
KEG RIVER ZZZ	238.0	<0.13		29.2		29.2	29.2	
KEG RIVER A2A	423.0	0.40		169.0		169.0	124.3	44.7
KEG RIVER B2B	795.0	0.28		223.0		223.0	213.9	9.1
KEG RIVER C2C	169.0	<0.21		34.1		34.1	34.1	
KEG RIVER E2E	313.0	0.20		62.6		62.6	61.4	1.2
KEG RIVER F2F	304.0	<0.08		21.4		21.4	21.4	
KEG RIVER G2G	963.0	0.15		144.0		144.0	124.3	19.7
KEG RIVER H2H	314.0	<0.04		10.3		10.3	10.3	
KEG RIVER I2I	195.0	<0.24		46.1		46.1	46.1	
KEG RIVER J2J	286.0	0.30		85.8		85.8	73.2	12.6
KEG RIVER K2K	120.0	<0.06		6.5		6.5	6.5	
KEG RIVER L2L	143.0	<0.10		13.7		13.7	13.7	
KEG RIVER M2M	354.0	0.35		124.0		124.0	98.9	25.1
KEG RIVER N2N	461.0	0.32		148.0		148.0	135.3	12.7
KEG RIVER O2O	604.0	0.30		181.0		181.0	135.4	45.6
KEG RIVER P2P	350.0	0.30		105.0		105.0	90.1	14.9
KEG RIVER Q2Q	356.0	<0.12		42.7		42.7	42.7	
KEG RIVER R2R	255.0	0.12		30.6		30.6	17.9	12.7
KEG RIVER S2S	350.0	0.25		87.5		87.5	86.3	1.2

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
33	56.93	0.070	0.12	0.89	30	865	69	14 450	1 460.9	1967	82 12 - GPP
28	86.48	0.071	0.11	0.83	58	839	78	15 170	1 529.2	1967	77 10 - GPP
55	41.92	0.060	0.17	0.83	63	865	73	14 380	1 485.6	1967	83 12 - GPP
21	42.43	0.030	0.30	0.83	60	860	71	13 790	1 469.7	1967	86 12 - GPP
22	25.30	0.074	0.15	0.80	74	849	78	13 930	1 561.2	1967	85 12 - GPP
15	29.30	0.042	0.30	0.85	35	865	71	13 790	1 452.4	1967	85 07 - GPP
4	86.87	0.065	0.11	0.87	45	865	71	14 510	1 538.3	1967	82 12 - GPP
10	20.46	0.100	0.08	0.92	26	881	64	14 030	1 428.0	1967	91 07 - GPP
16	6.10	0.140	0.11	0.71	156	825	81	14 910	1 524.0	1967	85 12
20	37.40	0.120	0.08	0.77	88	829	76	15 130	1 553.0	1967	82 12 - GPP
16	46.33	0.043	0.25	0.62	215	829	76	15 130	1 555.1	1967	85 08
15	94.29	0.074	0.10	0.81	72	829	80	15 410	1 550.5	1967	70 06 - GPP
13	51.79	0.073	0.11	0.80	72	829	78	14 820	1 536.5	1967	75 12 - GPP
16	31.39	0.063	0.15	0.83	64	865	71	13 510	1 451.5	1967	83 12 - GPP
5	102.40	0.080	0.11	0.85	53	855	72	14 940	1 528.6	1967	90 12 - GPP
23	43.30	0.055	0.14	0.85	49	865	73	13 790	1 479.2	1967	87 08 - GPP
21	28.74	0.039	0.30	0.84	59	865	70	13 790	1 598.1	1967	86 12 - GPP
26	92.67	0.075	0.10	0.83	58	855	77	14 930	1 509.4	1967	91 12
16	46.15	0.055	0.13	0.90	32	898	63	14 170	1 443.5	1967	84 12 - GPP
13	67.30	0.071	0.11	0.84	71	860	71	14 790	1 501.4	1967	82 12 - ABAND 88 06
7	63.63	0.060	0.15	0.81	71	844	71	14 620	1 521.6	1967	92 09 - ABAND 90 08
24	20.95	0.110	0.12	0.49	331	811	77	15 370	1 551.1	1967	92 10
3	91.00	0.105	0.13	0.83	57	855	80	14 690	1 565.8	1967	75 07 - GPP
16	17.37	0.065	0.28	0.81	65	860	76	14 240	1 573.4	1967	70 09 - ABAND 70 08
9	58.83	0.076	0.15	0.90	33	881	67	14 170	1 468.2	1967	92 12 - GPP
21	35.68	0.064	0.22	0.85	52	865	70	13 380	1 443.8	1967	75 12 - GPP
6	47.64	0.085	0.20	0.87	35	865	71	13 650	1 454.7	1967	83 12 - GPP
3	82.20	0.045	0.35	0.89	45	860	83	14 340	1 524.6	1967	69 01 - GPP
10	37.80	0.115	0.10	0.83	59	860	72	13 550	1 470.8	1967	82 12 - GPP
10	43.20	0.080	0.25	0.89	38	881	64	14 000	1 427.7	1967	88 12 - GPP
21	46.09	0.070	0.20	0.88	30	865	72	14 550	1 451.5	1967	91 12 - GPP
7	95.90	0.080	0.11	0.83	45	855	78	14 690	1 558.7	1967	85 12 - GPP
17	36.27	0.046	0.30	0.83	62	865	69	13 200	1 471.6	1967	91 10 - ABAND 90 10
12	86.52	0.070	0.20	0.86	47	865	69	14 890	1 484.4	1967	89 12 - GPP
17	69.67	0.073	0.15	0.80	72	844	80	15 690	1 532.2	1967	92 09 - GPP
19	50.35	0.074	0.19	0.93	28	881	67	13 930	1 453.9	1967	82 12 - ABAND 88 06
19	42.15	0.040	0.20	0.83	60	860	71	13 270	1 465.8	1967	70 02 - GPP
34	49.06	0.040	0.30	0.85	49	865	71	13 170	1 466.4	1967	82 12 - GPP
20	71.08	0.077	0.17	0.70	145	829	73	15 200	1 548.7	1967	88 12 - GPP
6	26.60	0.080	0.25	0.83	41	860	73	14 650	1 547.2	1967	86 12 - GPP
4	50.70	0.080	0.10	0.87	43	865	73	14 310	1 516.7	1967	69 01 - GPP
23	45.45	0.063	0.19	0.83	67	855	71	13 310	1 464.7	1967	70 02 - GPP
17	37.73	0.080	0.15	0.90	34	887	63	13 890	1 417.3	1968	89 12 - GPP
21	57.30	0.059	0.23	0.87	42	881	67	13 580	1 460.6	1967	86 12 - GPP
20	42.03	0.074	0.16	0.86	43	876	71	13 450	1 449.9	1967	92 12 - GPP
20	22.80	0.070	0.17	0.90	28	881	63	14 170	1 426.9	1968	86 12 - ABAND 88 06
35	25.09	0.070	0.15	0.81	74	849	71	13 450	1 462.0	1968	89 12 - GPP
17	53.90	0.120	0.15	0.85	56	855	68	14 640	1 490.2	1968	90 12 - GPP
17	40.87	0.040	0.25	0.81	71	860	71	12 820	1 474.6	1968	84 12 - GPP
16	30.80	0.085	0.17	0.90	32	904	63	13 670	1 417.3	1967	91 07 - GPP
23	36.79	0.055	0.24	0.86	46	865	68	13 650	1 443.5	1968	74 12
28	57.42	0.085	0.13	0.81	71	844	76	14 190	1 510.3	1968	92 11 - GPP
15	38.10	0.078	0.17	0.85	52	865	70	13 580	1 448.1	1968	74 12 - GPP
18	27.10	0.065	0.20	0.77	95	825	80	14 760	1 557.2	1968	70 02 - GPP
14	31.74	0.087	0.14	0.86	47	870	69	14 450	1 487.4	1968	69 03 - GPP
16	19.57	0.054	0.20	0.89	37	892	61	13 650	1 413.1	1968	73 02 - ABAND 90 04
16	38.10	0.040	0.30	0.83	66	865	68	12 650	1 453.0	1968	78 10 - GPP
13	47.64	0.075	0.15	0.90	38	881	61	13 930	1 436.8	1968	70 02 - GPP
12	56.57	0.094	0.15	0.85	59	860	68	14 380	1 459.4	1968	90 12 - GPP
15	59.30	0.100	0.14	0.79	84	870	73	14 590	1 515.2	1968	89 12 - GPP
11	45.79	0.094	0.16	0.88	38	865	69	14 000	1 449.6	1968	71 07 - GPP
17	70.90	0.045	0.20	0.82	66	860	74	11 650	1 492.9	1968	82 12
17	29.59	0.080	0.12	0.72	115	825	66	14 960	1 560.9	1968	90 12 - GPP
6	98.70	0.080	0.11	0.83	50	870	77	14 300	1 537.1	1968	86 12 - GPP

TABLE 2-6

FIELD POOL	1	3		6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER T2T	91.9	0.25		23.0		23.0	18.5	4.5
KEG RIVER U2U	429.0	0.20		85.8		85.8	79.9	5.9
KEG RIVER V2V	124.0	0.20		24.8		24.8	12.7	12.1
KEG RIVER W2W	165.0	0.25		41.3		41.3	30.8	10.5
KEG RIVER X2X TOTAL	751.0			179.0	126.0	305.0	276.9	28.1
PRIMARY AREA	204.0	0.15		30.6		30.6		
WATER FLOOD AREA	547.0	0.27	0.23	148.0	126.0	274.0		
KEG RIVER Y2Y	79.5	<0.02		1.0		1.0	1.0	
KEG RIVER Z2Z	477.0	0.20		95.4		95.4	82.5	12.9
KEG RIVER A3A	320.0	<0.12		37.8		37.8	37.8	
KEG RIVER B3B	251.0	<0.06		14.3		14.3	14.3	
KEG RIVER C3C	111.0	<0.23		25.3		25.3	25.3	
KEG RIVER D3D	257.0	0.30		77.2		77.2	68.4	8.8
KEG RIVER F3F	420.0	0.12		50.4		50.4	43.7	6.7
KEG RIVER G3G	106.0	0.15		15.9		15.9	12.1	3.8
KEG RIVER H3H	218.0	0.20		43.6		43.6	40.8	2.8
KEG RIVER I3I TOTAL	636.0			110.0	35.1	145.0	134.2	10.8
PRIMARY AREA	134.0	0.07		9.4		9.4		
WATER FLOOD AREA	502.0	0.20	0.07	101.0	35.1	136.0		
KEG RIVER J3J	222.0	0.15		33.3		33.3	27.8	5.5
KEG RIVER K3K	207.0	0.20	0.10	41.3	20.7	62.0	60.4	1.6
WATER FLOOD								
KEG RIVER L3L	159.0	0.20	0.15	31.8	23.9	55.7	50.3	5.4
WATER FLOOD								
KEG RIVER M3M	318.0	<0.04		10.4		10.4	10.4	
KEG RIVER N3N	302.0	0.35		106.0		106.0	76.8	29.2
KEG RIVER O3O	242.0	<0.06		13.9		13.9	13.9	
KEG RIVER P3P	472.0	<0.17		78.3		78.3	78.3	
KEG RIVER Q3O	271.0	0.20		54.2		54.2	32.1	22.1
KEG RIVER R3R	395.0	0.40		158.0		158.0	122.0	36.0
KEG RIVER S3S	222.0	0.35		77.7		77.7	71.3	6.4
KEG RIVER T3T	242.0	0.10		24.2		24.2	22.6	1.6
KEG RIVER U3U	20.5	<0.26		5.3		5.3	5.3	
KEG RIVER W3W	524.0	0.26	0.09	136.0	47.2	183.0	161.1	21.9
WATER FLOOD								
KEG RIVER X3X	253.0	<0.02		3.9		3.9	3.9	
KEG RIVER Y3Y	236.0	<0.06		12.2		12.2	12.2	
KEG RIVER Z3Z	477.0	0.35		167.0		167.0	143.7	23.3
KEG RIVER A4A	49.9	<0.01		0.4		0.4	0.4	
KEG RIVER B4B	65.4	<0.18		11.3		11.3	11.3	
KEG RIVER C4C	329.0	<0.13		41.0		41.0	41.0	
KEG RIVER D4D	136.0	<0.12		15.0		15.0	15.0	
KEG RIVER E4E	415.0	0.12		49.8		49.8	42.7	7.1
KEG RIVER F4F	79.5	0.21		16.7		16.7	16.7	
KEG RIVER G4G	370.0	0.15		55.5		55.5	34.1	21.4
KEG RIVER H4H	381.0	0.15		57.2		57.2	49.9	7.3
KEG RIVER I4I	222.0	0.20		44.4		44.4	42.4	2.0
KEG RIVER J4J	397.0	0.05		19.9		19.9	11.6	8.3
KEG RIVER K4K	159.0	0.20		31.8		31.8	29.3	2.5
KEG RIVER L4L	2 000.0	0.35		700.0		700.0	308.4	391.6
KEG RIVER M4N	191.0	0.20		38.2		38.2	31.4	6.8
KEG RIVER O4O	143.0	0.14		20.0		20.0	18.3	1.7
KEG RIVER P4P	159.0	0.35		55.6		55.6	49.5	6.1
KEG RIVER Q4O	143.0	0.20		28.6		28.6	21.5	7.1
KEG RIVER R4R	267.0	0.07		18.7		18.7	18.7	
KEG RIVER S4S	270.0	0.08		21.6		21.6	21.4	0.2
KEG RIVER T4T	318.0	0.40		127.0		127.0	104.8	22.2
KEG RIVER U4U	320.0	0.27	0.03	86.4	9.6	96.0	89.5	6.5
WATER FLOOD								
KEG RIVER V4V	95.3	<0.12		10.7		10.7	10.7	
KEG RIVER W4W	95.3	0.30		28.6		28.6	23.7	4.9
KEG RIVER X4X	424.0	0.15		63.6		63.6	40.5	23.1
KEG RIVER Y4Y	26.8	<0.27		7.0		7.0	7.0	
KEG RIVER Z4Z	236.0	<0.09		20.3		20.3	20.3	
KEG RIVER A5A	874.0	0.20		175.0		175.0	132.1	42.9
KEG RIVER B5B	165.0	<0.13		20.1		20.1	20.1	
KEG RIVER C5C	259.0	0.25		64.8		64.8	61.2	3.6
KEG RIVER D5D	300.0	<0.15		44.4		44.4	44.4	
KEG RIVER E5E	106.0	<0.01		0.1		0.1	0.1	
KEG RIVER F5F	181.0	0.20		36.2		36.2	11.9	24.3
KEG RIVER G5G	350.0	0.10		35.0		35.0	21.6	13.4

LIGHT-MEDIUM CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
7	22.34	0.075	0.11	0.88	35	867	67	13 280	1 474.6	1968	83 12 - GPP
10	52.18	0.105	0.13	0.90	26	876	68	13 880	1 451.5	1968	79 06 - GPP
13	24.90	0.060	0.25	0.85	55	865	71	13 130	1 434.4	1968	85 04 - GPP
15	32.95	0.054	0.25	0.83	59	865	70	11 510	1 463.3	1968	84 12 - GPP
50					78	844	76	12 580	1 494.1	1968	92 09 - GPP
16	24.40	0.075	0.13	0.80							
34	30.82	0.075	0.13	0.80							
5	23.73	0.110	0.30	0.87	48	860	71	11 910	1 521.9	1968	69 11
17	30.23	0.120	0.15	0.91	26	887	64	13 490	1 428.6	1968	83 12 - GPP
35	29.50	0.045	0.20	0.86	53	865	72	13 530	1 454.2	1967	82 12 - GPP
17	36.27	0.060	0.20	0.85	52	865	70	12 310	1 454.5	1968	74 12 - ABAND 79 01
8	25.27	0.078	0.20	0.88	35	887	71	14 210	1 498.7	1968	83 12 - GPP
16	34.60	0.065	0.15	0.84	59	860	74	14 020	1 459.4	1969	70 09 - GPP
15	28.83	0.120	0.10	0.90	39	898	61	12 940	1 400.9	1969	87 12 - GPP
11	16.95	0.075	0.15	0.90	34	887	63	13 500	1 406.7	1969	86 12 - GPP
5	91.74	0.070	0.21	0.86	46	865	71	15 090	1 535.0	1969	90 12 - GPP
117					63	865	72	13 000	1 433.2	1968	91 12 - GPP
64	22.47	0.017	0.34	0.83							
53	23.77	0.060	0.20	0.83							
8	31.49	0.122	0.13	0.83	63	860	71	13 670	1 456.3	1967	83 12 - GPP
8	44.30	0.079	0.12	0.84	61	865	71	13 700	1 454.5	1967	75 08 - GPP
12	36.99	0.052	0.18	0.84	55	865	71	13 330	1 442.9	1967	86 12 - GPP
19	24.29	0.090	0.12	0.87	35	865	71	13 460	1 435.9	1968	70 01 - ABAND 90 10
10	58.30	0.071	0.11	0.82	62	865	69	13 460	1 501.7	1969	92 04 - GPP
9	55.41	0.079	0.25	0.82	71	855	68	13 410	1 476.8	1968	77 04 - GPP
10	80.13	0.092	0.18	0.78	78	855	72	14 620	1 583.1	1968	88 12 - ABAND 90 02
16	42.98	0.065	0.27	0.83	57	870	71	12 350	1 435.6	1969	92 11 - GPP
17	40.20	0.080	0.15	0.85	56	860	67	13 800	1 451.5	1969	90 12 - GPP
11	23.81	0.112	0.12	0.86	52	887	77	13 650	1 481.3	1969	83 12 - GPP
14	65.53	0.045	0.23	0.76	94	834	73	14 910	1 533.8	1969	92 09
1	35.90	0.079	0.16	0.86	46	860	71	9 360	1 500.2	1969	73 02 - GPP
7	75.87	0.139	0.09	0.78	85	855	69	13 400	1 520.3	1969	82 12 - GPP
6	65.84	0.092	0.17	0.84	60	854	71	15 003	1 524.0	1969	86 12 - GPP
12	50.17	0.055	0.20	0.89	30	881	70	13 380	1 473.1	1969	74 12 - ABAND 81 09
15	57.23	0.086	0.15	0.76	94	829	79	15 010	1 522.5	1969	86 12 - GPP
11	9.69	0.068	0.15	0.81	60	855	71	13 110	1 639.5	1969	70 10
5	26.97	0.077	0.25	0.84	58	855	77	15 180	1 639.5	1969	78 07 - ABAND 85 07
14	44.84	0.080	0.17	0.79	89	860	71	13 450	1 510.9	1969	82 12 - GPP
13	32.34	0.050	0.20	0.81	69	860	69	12 820	1 477.4	1968	70 02 - ABAND 72 05
20	30.82	0.090	0.15	0.88	35	870	69	11 420	1 449.6	1969	86 06 - GPP
19	23.16	0.030	0.30	0.86	46	865	72	13 730	1 448.1	1967	89 12 - GPP
7	66.73	0.100	0.10	0.88	35	860	67	12 470	1 469.7	1970	81 12 - GPP
14	43.89	0.084	0.18	0.90	29	898	59	12 910	1 428.3	1971	86 12 - GPP
12	40.54	0.065	0.22	0.90	38	887	62	13 370	1 414.9	1971	88 12 - GPP
10	44.50	0.110	0.09	0.89	41	898	62	12 410	1 424.6	1971	76 06 - GPP
12	30.25	0.060	0.18	0.89	41	898	62	12 240	1 420.4	1971	82 12 - GPP
353	18.87	0.050	0.23	0.78	61	855	70	13 220	1 524.3	1971	91 09
7	41.47	0.086	0.15	0.90	35	881	61	9 410	1 423.4	1971	82 12 - GPP
9	26.67	0.075	0.12	0.90	35	898	61	13 524	1 416.4	1971	83 12 - GPP
6	39.82	0.085	0.13	0.90	35	892	61	13 820	1 414.6	1971	72 09
10	22.82	0.080	0.12	0.89	36	887	63	13 510	1 420.7	1971	89 12 - GPP
9	36.60	0.100	0.10	0.90	35	904	61	13 450	1 419.1	1971	82 12 - GPP
10	30.12	0.120	0.17	0.90	36	887	62	13 440	1 418.5	1972	87 12 - GPP
7	87.25	0.075	0.11	0.78	83	829	77	15 750	1 547.5	1971	75 05 - GPP
13	55.50	0.060	0.12	0.84	59	855	69	12 460	1 486.2	1972	91 07 - GPP
4	73.75	0.047	0.21	0.87	47	849	72	14 210	1 510.9	1968	81 08 - GPP
3	42.95	0.100	0.15	0.87	47	876	71	14 650	1 481.6	1972	75 04 - GPP
12	51.31	0.090	0.10	0.85	60	865	45	14 252	1 519.7	1972	82 12 - GPP
2	39.32	0.050	0.18	0.83	58	829	74	15 880	1 561.2	1972	89 12 - GPP
25	24.99	0.055	0.12	0.78	89	834	72	13 610	1 550.5	1971	73 11
15	75.26	0.099	0.08	0.85	53	876	69	12 270	1 454.5	1973	86 12 - GPP
7	55.47	0.065	0.16	0.78	89	811	82	14 710	1 553.0	1973	86 12 - GPP
7	44.00	0.105	0.09	0.88	27	876	69	12 819	1 444.6	1974	75 04 - GPP
11	52.80	0.075	0.14	0.80	71	825	88	14 890	1 581.3	1974	92 09 - ABAND 91 08
16	17.32	0.060	0.23	0.83	69	860	55	13 540	1 467.0	1978	82 12
64	9.00	0.050	0.25	0.84	50	861	60	13 550	1 608.5	1978	79 08 - GPP
40	20.50	0.060	0.20	0.89	52	879	80	13 445	1 451.3	1981	86 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER H5H	267.0	0.03		8.0		8.0	3.5	4.5
KEG RIVER I5I	322.0	0.20		64.4		64.4	53.7	10.7
KEG RIVER J5J	340.0	0.10		34.0		34.0	12.9	21.1
KEG RIVER K5K	153.0	<0.03		4.2		4.2	4.2	
KEG RIVER L5L	285.0	0.10		28.5		28.5	27.0	1.5
KEG RIVER M5M	223.0	<0.04		8.6		8.6	8.6	
KEG RIVER N5N	233.0	0.25		58.3		58.3	28.3	30.0
KEG RIVER O5O	206.0	0.15		30.9		30.9	4.1	26.8
KEG RIVER P5P	466.0	0.12		55.9		55.9	39.8	16.1
KEG RIVER Q5Q	205.0	0.06		12.3		12.3	9.5	2.8
KEG RIVER R5R	121.0	<0.04		4.4		4.4	4.4	
KEG RIVER S5S	317.0	0.06		19.0		19.0	12.1	6.9
KEG RIVER T5T	173.0	<0.01		1.5		1.5	1.5	
KEG RIVER V5V	395.0	<0.02		6.9		6.9	6.9	
KEG RIVER X5X	150.0	0.25		37.5		37.5	19.7	17.8
KEG RIVER Y5Y	300.0	0.30		90.0		90.0	43.5	46.5
KEG RIVER Z5Z	283.0	0.15		42.5		42.5	28.5	14.0
KEG RIVER A6A	205.0	0.35		71.8		71.8	31.9	39.9
KEG RIVER B6B	85.1	<0.04		3.1		3.1	3.1	
KEG RIVER C6C	186.0	<0.02		3.1		3.1	3.1	
KEG RIVER D6D	236.0	<0.01		1.9		1.9	1.9	
KEG RIVER E6E	350.0	0.07		24.5		24.5	18.6	5.9
KEG RIVER F6F	271.0	0.25		67.8		67.8	28.0	39.8
KEG RIVER G6G	190.0	0.10		19.0		19.0	10.0	9.0
KEG RIVER H6H	75.4	<0.03		2.1		2.1	2.1	
KEG RIVER I6I	730.0	0.05		36.5		36.5	20.6	15.9
KEG RIVER J6J	150.0	<0.03		3.2		3.2	3.2	
KEG RIVER K6K	140.0	<0.03		4.1		4.1	4.1	
KEG RIVER L6L	117.0	0.15		17.6		17.6	1.2	16.4
KEG RIVER N6N	500.0	0.05		25.0		25.0	16.3	8.7
KEG RIVER O6O	250.0	0.05		12.5		12.5	7.5	5.0
KEG RIVER P6P	455.0	0.05		22.8		22.8	16.5	6.3
KEG RIVER Q6Q	251.0	0.25	0.10	62.8	25.1	87.9	84.4	3.5
WATER FLOOD								
KEG RIVER R6R	130.0	0.35		45.5		45.5	31.5	14.0
KEG RIVER S6S	400.0	0.20		80.0		80.0	29.7	50.3
KEG RIVER T6T	300.0	0.08		24.0		24.0	16.5	7.5
KEG RIVER U6U	210.0	0.08		16.8		16.8	15.7	1.1
KEG RIVER V6V	174.0	0.10		17.4		17.4	11.6	5.8
KEG RIVER W6W	130.0	0.30		39.0		39.0	12.6	26.4
KEG RIVER X6X	116.0	0.10		11.6		11.6	6.7	4.9
KEG RIVER Y6Y	860.0	0.25		215.0		215.0	88.3	126.7
KEG RIVER Z6Z	117.0	0.40		46.8		46.8	18.0	28.8
KEG RIVER A7A	189.0	0.15		28.4		28.4	4.8	23.6
KEG RIVER B7B	350.0	0.25		87.5		87.5	27.2	60.3
KEG RIVER C7C	148.0	0.15		22.2		22.2	3.9	18.3
KEG RIVER D7D	68.2	0.25		17.1		17.1	4.1	13.0
FIELD TOTAL	78 607.8			16 054.1	838.1	16 892.0	13 460.9	3 431.1
UNDEFINED AND CONFIDENTIAL POOLS								
TOTAL UNDEFINED	33 817.8			1 241.6		1 241.6	808.7	432.9
TOTAL CONFIDENTIAL	23 965.4			3 748.1		3 748.1	6.5	3 741.6
TOTAL LIGHT-MEDIUM CRUDE OIL	6 909 310.7			1 431 233.0	652 729.4	2 084 012.8	1 702 959.4	381 053.4

LIGHT-MEDIUM CRUDE OIL POOLS

* FIELD HAS RESERVES BOOKED FOR LIGHT-MEDIUM AND HEAVY CRUDE CATEGORIES

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
8	75.50	0.070	0.20	0.79	76	855	66	13 509	1 487.1	1981	88 12 - GPP
8	67.55	0.100	0.15	0.70	120	842	81	11 760	1 553.1	1981	83 12 - GPP
19	51.30	0.050	0.16	0.83	62	860	51	12 885	1 508.8	1982	86 12 - GPP
16	28.50	0.050	0.14	0.78	83	831	78	14 984	1 586.8	1982	92 11 - GPP
13	26.00	0.120	0.21	0.89	36	894	61	13 986	1 435.0	1982	92 09 - GPP
16	23.00	0.080	0.15	0.89	36	911	61	12 819	1 406.5	1983	89 12
40	15.26	0.050	0.08	0.83	60	853	73	13 682	1 527.0	1983	86 06 - GPP
25	17.60	0.060	0.12	0.89	31	906	66	13 650	1 412.4	1983	85 07 - GPP
8	55.00	0.140	0.10	0.84	55	865	71	13 965	1 456.6	1983	92 09 - GPP
8	68.70	0.060	0.25	0.83	60	830	71	13 640	1 500.0	1984	92 09 - GPP
16	21.00	0.050	0.18	0.88	42	854	69	15 891	1 567.5	1984	84 08 - ABAND 86 09
8	56.16	0.100	0.15	0.83	58	858	74	14 475	1 629.7	1983	86 03 - GPP
16	17.50	0.080	0.10	0.86	43	881	66	13 503	1 512.0	1983	86 12
16	37.75	0.080	0.12	0.93	51	874	77	14 316	1 470.8	1983	92 11 - GPP
14	38.40	0.050	0.32	0.82	39	864	71	10 438	1 590.4	1984	86 01 - GPP
35	25.27	0.047	0.18	0.88	42	858	69	10 654	1 462.2	1984	86 06
19	32.10	0.065	0.14	0.83	74	865	70	13 676	1 458.4	1984	90 12 - GPP
32	27.40	0.040	0.25	0.78	89	855	71	13 699	1 528.7	1984	92 04 - GPP
38	16.05	0.023	0.26	0.82	64	863	71	13 328	1 449.0	1984	86 06 - ABAND 86 03
21	28.99	0.046	0.18	0.81	73	856	69	15 076	1 571.9	1984	86 06
36	16.91	0.055	0.13	0.81	73	846	69	13 133	1 547.2	1984	88 12
6	51.90	0.150	0.12	0.85	49	865	65	13 473	1 471.3	1985	86 04 - GPP
22	27.76	0.060	0.15	0.87	38	882	73	10 498	1 621.5	1985	86 06 - GPP
17	35.87	0.047	0.22	0.85	49	878	73	13 120	1 555.0	1985	91 12 - GPP
16	16.50	0.046	0.27	0.85	51	885	66	12 389	1 424.3	1972	88 12
17	75.11	0.083	0.18	0.84	55	865	71	12 544	1 479.8	1985	89 12 - GPP
22	27.65	0.046	0.33	0.80	84	869	73	15 424	1 602.4	1985	89 12 - ABAND 91 10
8	31.57	0.070	0.10	0.88	33	878	69	13 072	1 428.6	1985	89 12
64	8.50	0.040	0.35	0.83	55	823	62	13 279	1 473.3	1985	86 06 - GPP
28	30.60	0.080	0.15	0.86	41	855	70	14 107	1 575.0	1986	89 12
26	23.46	0.064	0.18	0.78	79	834	79	13 476	1 579.5	1986	89 12 - GPP
28	35.42	0.062	0.16	0.88	34	850	72	14 288	1 543.8	1986	86 10 - GPP
11	59.00	0.059	0.20	0.82	64	865	71	13 160	1 485.9	1967	86 12 - GPP
16	23.00	0.050	0.14	0.82	64	865	71	14 728	1 495.5	1985	91 12 - GPP
17	37.01	0.086	0.16	0.88	33	881	69	14 764	1 491.3	1986	87 02 - GPP
19	32.63	0.072	0.20	0.84	54	868	71	13 941	1 439.3	1986	91 12 - GPP
15	40.61	0.057	0.28	0.84	62	876	71	11 000	1 430.8	1987	92 09 - GPP
16	15.50	0.102	0.18	0.84	54	870	71	14 162	1 494.3	1987	87 12 - GPP
31	18.88	0.039	0.27	0.78	46	857	71	13 494	1 548.4	1987	88 11 - GPP
16	24.17	0.050	0.23	0.78	89	858	71	13 792	1 555.3	1987	88 06 - GPP
39	56.52	0.058	0.17	0.81	73	849	78	14 248	1 591.3	1988	88 12
32	14.10	0.055	0.24	0.62	215	822	76	14 381	1 545.9	1988	90 05
24	25.40	0.048	0.23	0.84	56	845	72	14 027	1 548.5	1988	90 06
32	25.10	0.064	0.16	0.81	75	855	68	13 465	1 512.3	1988	89 04 - GPP
64	15.20	0.031	0.37	0.78	85	854	69	13 540	1 543.8	1988	91 09
9	13.30	0.083	0.12	0.78	94	858	70	13 203	1 520.9	1989	89 08

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
ALDERSON 015-11W4								
UPPER MANNVILLE A	107.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE B	154.0	0.10		15.4		15.4	12.7	2.7
UPPER MANNVILLE C	455.0	0.15		68.3		68.3	36.1	32.2
UPPER MANNVILLE D	1 100.0	0.12	0.13	132.0	143.0	275.0	158.3	116.7
WATER FLOOD								
UPPER MANNVILLE F	205.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE G	115.0	<0.02		1.7		1.7	1.7	
UPPER MANNVILLE I	376.0	0.04		15.0		15.0	11.7	3.3
UPPER MANNVILLE J	289.0	0.05		14.5		14.5	10.7	3.8
UPPER MANNVILLE L	180.0	<0.08		14.2		14.2	14.2	
UPPER MANNVILLE R	873.0			131.0	86.1	217.0	134.1	82.9
TOTAL								
PRIMARY AREA	299.0	0.15		44.9		44.9		
WATER FLOOD AREA	574.0	0.15	0.15	86.1	86.1	172.0		
UPPER MANNVILLE S	500.0	0.10	0.13	50.0	65.0	115.0	110.4	4.6
WATER FLOOD								
UPPER MANNVILLE T	186.0	0.10		18.6		18.6	18.0	0.6
UPPER MANNVILLE U	85.9	0.15		12.9		12.9	12.6	0.3
UPPER MANNVILLE Y	572.0			85.8	24.0	110.0	68.8	41.2
TOTAL								
PRIMARY AREA	92.0	0.15		13.8		13.8		
WATER FLOOD AREA	480.0	0.15	0.05	72.0	24.0	96.0		
UPPER MANNVILLE Z	1 858.0	0.10	0.30	186.0	557.0	743.0	479.2	263.8
WATER FLOOD								
UPPER MANNVILLE AA	179.0	0.20		35.8		35.8	23.0	12.8
UPPER MANNVILLE BB	146.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE DD	200.0	0.15		30.0		30.0	17.5	12.5
UPPER MANNVILLE EE	127.4	0.15		19.1		19.1	13.8	5.3
UPPER MANNVILLE GG	105.0	<0.02		1.7		1.7	1.7	
UPPER MANNVILLE HH	124.0	0.05		6.2		6.2	4.0	2.2
UPPER MANNVILLE KK	276.0	0.10		27.6		27.6	11.3	16.3
UPPER MANNVILLE LL	86.7	<0.08		6.4		6.4	6.4	
UPPER MANNVILLE MM	119.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE RR	131.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE UU	113.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE WW	194.0	0.10		19.4		19.4	7.1	12.3
UPPER MANNVILLE XX	180.0	0.18		32.4		32.4	22.3	10.1
UPPER MANNVILLE YY	1 090.0	0.07		76.3		76.3	59.9	16.4
UPPER MANNVILLE	127.0	<0.01		1.1		1.1	1.1	
H & ZZ								
UPPER MANNVILLE AAA	65.4	0.10		6.5		6.5	1.6	4.9
UPPER MANNVILLE BBB	20.0	0.25		5.0		5.0	3.3	1.7
UPPER MANNVILLE FFF	179.0	0.10		17.9		17.9	13.2	4.7
UPPER MANNVILLE GGG	94.8	0.15		14.2		14.2	9.6	4.6
UPPER MANNVILLE HHH	76.6	0.10		7.7		7.7	2.2	5.5
UPPER MANNVILLE III	26.1	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE JJJ	24.2	0.10		2.4		2.4	1.5	0.9
UPPER MANNVILLE KKK	70.0	0.10		7.0		7.0	1.8	5.2
UPPER MANNVILLE PPP	14.6	0.10		1.5		1.5	0.6	0.9
UPPER MANNVILLE RRR	69.7	0.10		7.0		7.0	1.8	5.2
UPPER MANNVILLE TTT	463.0	0.20		92.6		92.6	16.0	76.6
UPPER MANNVILLE UUU	174.0	0.10		17.4		17.4		17.4
UPPER MANNVILLE VVV	122.0	0.15		18.3		18.3		18.3
LOWER MANNVILLE A	719.0	0.20		144.0		144.0	131.6	12.4
LOWER MANNVILLE B	1 800.0	0.12	0.08	216.0	144.0	360.0	306.3	53.7
WATER FLOOD								
LOWER MANNVILLE E	173.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE F	1 501.0	0.07		105.0		105.0	86.8	18.2
LOWER MANNVILLE H	677.0	0.07		47.4		47.4	44.4	3.0
LOWER MANNVILLE J	817.0	0.05		40.9		40.9	32.8	8.1
LOWER MANNVILLE K	540.0	0.15		81.0		81.0	71.8	9.2
LOWER MANNVILLE M	49.5	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE N	84.4	0.15		12.7		12.7	11.3	1.4
LOWER MANNVILLE O	411.0	0.10		41.1		41.1	18.5	22.6
LOWER MANNVILLE P	82.0	0.10		8.2		8.2	0.4	7.8
LOWER MANNVILLE Q	455.0	0.05		22.8		22.8	12.7	10.1
LOWER MANNVILLE R	59.1	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE S	43.4	<0.07		2.7		2.7	2.7	
LOWER MANNVILLE U	111.0	0.10		11.1		11.1	8.8	2.3
LOWER MANNVILLE W	261.0	0.10		26.1		26.1	15.1	11.0
LOWER MANNVILLE X	165.0	0.10		16.5		16.5	11.9	4.6
LOWER MANNVILLE Y	84.2	0.10		8.4		8.4	4.4	4.0

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
65	1.22	0.220	0.30	0.88	41	910	32	11 500	991.8	1970	70 01
65	1.52	0.240	0.26	0.88	41	946	32	10 900	994.3	1969	87 12 - GPP
253	1.14	0.230	0.22	0.88	50	928	30	11 090	1 014.2	1970	85 12 - GPP
316	3.00	0.220	0.42	0.91	54	898	33	10 560	952.5	1970	88 03 - GPP
65	2.44	0.230	0.36	0.88	43	965	32	10 860	987.2	1972	78 03 - GPP
8	11.58	0.210	0.33	0.88	53	898	32	11 340	1 021.4	1973	92 11 - GPP
170	1.81	0.190	0.27	0.88	50	876	31	10 870	979.9	1973	85 12 - GPP
64	4.31	0.170	0.30	0.88	57	921	31	11 270	1 050.3	1976	85 12 - GPP
64	2.00	0.200	0.20	0.88	53	865	34	10 955	987.9	1972	83 06 - ABAND 91 08
80					72	890	31	11 030	1 030.1	1978	92 04
16	11.26	0.230	0.19	0.89							
64	5.48	0.230	0.20	0.89							- GPP
60	4.32	0.270	0.17	0.86	99	887	31	11 070	1 027.9	1979	84 03 - GPP
83	1.60	0.210	0.23	0.87	54	887	28	9 970	1 015.7	1979	84 07 - GPP
32	2.76	0.170	0.35	0.88	58	900	30	10 424	994.3	1980	89 11 - GPP
83					69	882	28	11 315	1 032.9	1980	92 08
16	5.70	0.190	0.39	0.87							- GPP
67	4.28	0.250	0.23	0.87							- GPP
184	6.69	0.230	0.19	0.81	39	891	33	11 376	1 024.0	1980	92 05 - GPP
32	3.40	0.220	0.15	0.88	68	887	34	11 060	1 026.4	1978	92 03 - GPP
32	3.00	0.220	0.23	0.90	48	925	31	9 698	1 018.0	1980	86 12
90	2.00	0.180	0.30	0.88	45	874	34	10 154	1 011.5	1980	86 12 - GPP
32	2.00	0.260	0.13	0.88	48	856	32	10 506	1 014.0	1980	88 12 - GPP
32	3.60	0.160	0.35	0.88	68	888	31	11 483	1 029.4	1980	83 12 - ABAND 86 01
64	1.80	0.170	0.28	0.88	41	904	35	10 833	1 012.9	1974	82 02 - GPP
96	2.30	0.200	0.29	0.88	49	868	31	11 320	994.4	1981	83 06 - GPP
16	4.00	0.220	0.30	0.88	50	930	32	10 096	995.0	1982	85 12 - ABAND 90 05
16	6.50	0.200	0.35	0.88	51	934	32	10 315	965.0	1982	83 06 - ABAND 90 05
32	4.30	0.180	0.40	0.88	50	888	31	8 190	990.2	1980	89 12 - ABAND 91 07
32	2.00	0.250	0.20	0.88	50	892	29	9 825	1 017.3	1983	86 12 - ABAND 89 07
64	2.57	0.220	0.39	0.88	50	895	28	9 372	963.1	1984	86 04 - GPP
54	3.50	0.180	0.40	0.88	50	871	30	10 962	974.1	1984	91 12
65	8.23	0.300	0.20	0.85	57	898	32	11 163	1 008.9	1971	87 12 - GPP
64	1.82	0.202	0.40	0.90	27	946	32	11 916	961.8	1973	85 06 - ABAND 85 09
16	3.30	0.210	0.33	0.88	51	921	30	10 510	959.0	1985	85 12 - GPP
16	1.30	0.170	0.37	0.90	39	888	30	10 975	1 002.4	1985	92 12 - GPP
32	3.65	0.260	0.33	0.88	35	966	30	11 035	920.9	1986	89 08 - GPP
46	1.65	0.200	0.29	0.88	42	886	33	10 431	1 008.6	1987	92 03 - GPP
16	2.50	0.259	0.16	0.88	42	910	33	9 507	1 026.3	1987	88 06 - GPP
16	1.00	0.235	0.27	0.95	35	964	29	9 423	921.2	1987	92 12 - ABAND 92 09
16	2.00	0.140	0.40	0.90	42	910	33	11 554	967.0	1987	88 07
16	2.80	0.240	0.26	0.88	71	910	32	9 338	1 022.1	1988	88 10
16	1.20	0.170	0.51	0.91	38	932	33	9 765	1 024.6	1989	90 07 - GPP
16	5.00	0.180	0.45	0.88	60	868	31	11 079	1 019.5	1978	91 08 - GPP
58	4.05	0.270	0.18	0.89	42	910	33	11 002	1 031.6	1991	92 09
16	5.20	0.270	0.12	0.88	71	911	32	9 180	1 007.0	1991	92 04 - GPP
16	4.50	0.240	0.20	0.88	71	911	32	10 554	1 004.5	1991	92 04
228	2.56	0.200	0.30	0.88	41	904	32	10 200	924.8	1962	88 12 - GPP
655	2.24	0.220	0.38	0.90	41	904	31	10 430	945.8	1964	92 12 - GPP
65	2.74	0.170	0.35	0.88	41	881	32	11 030	1 008.6	1970	71 03 - ABAND 71 10
329	3.05	0.250	0.32	0.88	53	876	30	10 490	975.7	1971	87 12 - GPP
65	6.07	0.300	0.35	0.88	54	904	32	10 480	963.5	1969	85 12 - GPP
128	4.63	0.224	0.30	0.88	53	855	36	11 280	1 026.9	1972	82 12 - GPP
150	2.49	0.250	0.32	0.85	59	898	29	10 540	974.1	1977	91 06 - GPP
32	2.00	0.150	0.40	0.86	64	888	35	9 881	1 052.0	1979	83 12
32	2.10	0.210	0.32	0.88	58	888	30	10 100	1 047.7	1979	88 12
192	1.81	0.190	0.31	0.90	40	912	32	10 655	968.8	1980	83 05 - GPP
64	1.80	0.160	0.50	0.89	50	912	31	11 728	985.3	1970	83 12 - GPP
32	13.20	0.210	0.43	0.90	34	939	34	11 192	1 016.9	1980	81 09 - GPP
16	3.60	0.190	0.40	0.90	43	939	34	10 421	1 024.8	1981	82 03
32	2.00	0.110	0.30	0.88	58	878	29	10 678	1 049.5	1981	88 12
16	5.70	0.190	0.29	0.90	40	914	34	11 177	1 050.4	1981	84 10 - GPP
32	8.00	0.210	0.46	0.90	41	923	28	10 238	961.0	1981	91 12 - GPP
32	6.60	0.160	0.44	0.87	65	890	31	9 950	1 043.4	1980	84 11 - GPP
16	5.00	0.180	0.35	0.90	41	897	31	10 969	1 029.9	1982	82 12 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ALDERSON 015-11W4 (CONTINUED)								
LOWER MANNVILLE Z	288.0	0.10		28.8		28.8	26.9	1.9
LOWER MANNVILLE AA	604.0	0.05		30.2		30.2	10.5	19.7
LOWER MANNVILLE BB	639.0	0.10		63.9		63.9	51.3	12.6
LOWER MANNVILLE DD	94.1	0.10		9.4		9.4	1.2	8.2
LOWER MANNVILLE EE	102.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE FF	35.4	<0.07		2.3		2.3	2.3	
LOWER MANNVILLE HH	200.0	0.05		10.0		10.0	8.8	1.2
LOWER MANNVILLE II	68.4	<0.02		0.8		0.8	0.8	
LOWER MANNVILLE JJ	210.0	0.10		21.0		21.0	11.4	9.6
LOWER MANNVILLE KK	243.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE LL	99.5	0.10		10.0		10.0	4.6	5.4
LOWER MANNVILLE MM	136.0	0.15		20.4		20.4	16.7	3.7
LOWER MANNVILLE NN	165.0	0.10		16.5		16.5	4.9	11.6
LOWER MANNVILLE OO	46.7	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE PP	148.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE QQ	1 800.0	0.17		306.0		306.0	243.7	62.3
LOWER MANNVILLE TT	406.0	0.10		40.6		40.6	21.3	19.3
LOWER MANNVILLE UU	114.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE VV	103.0	0.10		10.3		10.3	5.9	4.4
LOWER MANNVILLE XX	43.4	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE YY	41.8	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE ZZ	76.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE AAA	538.0	0.15		80.7		80.7	75.3	5.4
LOWER MANNVILLE BBB	31.7	<0.03		0.9		0.9	0.9	
LOWER MANNVILLE CCC	54.1	0.15		8.1		8.1	6.9	1.2
LOWER MANNVILLE DDD	28.6	0.10		2.9		2.9	2.8	0.1
LOWER MANNVILLE EEE	10.3	<0.03		0.3		0.3	0.3	
LOWER MANNVILLE FFF	44.4	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE HHH	32.5	0.10		3.3		3.3	2.6	0.7
LOWER MANNVILLE III	25.7	0.10		2.6		2.6	1.2	1.4
LOWER MANNVILLE KKK	27.9	0.13		3.6		3.6	2.9	0.7
LOWER MANNVILLE MMM	76.0	0.10		7.6		7.6	5.7	1.9
LOWER MANNVILLE OOO	13.2	<0.02		0.2		0.2	0.2	
LOWER MANNVILLE QQQ	128.0	0.15		19.2		19.2	7.2	12.0
LOWER MANNVILLE RRR	46.3	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE TTT	47.7	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE UUU	89.9	0.03		2.7		2.7	1.9	0.8
LOWER MANNVILLE A2A	600.0	0.25		150.0		150.0	124.4	25.6
LOWER MANNVILLE C2C	229.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE D2D	57.7	0.15		8.7		8.7	7.0	1.7
LOWER MANNVILLE G2G	9.4	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE H2H	370.0	0.13		48.1		48.1	44.6	3.5
LOWER MANNVILLE I2I	51.2	0.10		5.1		5.1	0.9	4.2
LOWER MANNVILLE J2J	77.8	0.15		11.7		11.7	8.9	2.8
LOWER MANNVILLE K2K	80.0	0.15		12.0		12.0	8.9	3.1
LOWER MANNVILLE L2L	106.0	0.12		12.7		12.7	12.7	
LOWER MANNVILLE M2M	1 149.0	0.10		115.0		115.0	38.7	76.3
LOWER MANNVILLE N2N	128.0	0.05		6.4		6.4	0.6	5.8
LOWER MANNVILLE O2O	149.0	0.20		29.8		29.8	23.9	5.9
LOWER MANNVILLE P2P	209.0	0.10		20.9		20.9	4.2	16.7
LOWER MANNVILLE Q2Q	54.4	0.15		8.2		8.2	4.0	4.2
LOWER MANNVILLE S2S	39.0	0.15		5.9		5.9	0.8	5.1
LOWER MANNVILLE T2T	65.8	0.10		6.6		6.6	3.4	3.2
LOWER MANNVILLE V2V	52.9	0.20		10.6		10.6		10.6
LOWER MANNVILLE W2W	44.5	0.20		8.9		8.9		8.9
DETRITAL A	178.0	0.10		17.8		17.8	7.9	9.9
DETRITAL B	151.0	0.10		15.1		15.1	7.0	8.1
DETRITAL C	77.4	0.10		7.7		7.7	7.6	0.1
DETRITAL D	146.0	<0.01		0.4		0.4	0.4	
DETRITAL F	143.0	<0.03		3.6		3.6	3.6	
DETRITAL G	217.0	0.05		10.8		10.8	0.1	10.7
DETRITAL H	448.0	0.05		22.4		22.4	0.6	21.8
DETRITAL I	32.6	0.10		3.3		3.3	0.9	2.4
PEKISKO B	70.2	<0.01		0.3		0.3	0.3	
ARCS B	388.0	0.02		7.8		7.8	4.1	3.7
ARCS C	171.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	32 038.5			3 240.8	1 019.1	4 260.0	2 887.3	1 372.7
ALEXANDER 056-27W4								
BASAL QUARTZ D	175.0	<0.01		0.6		0.6	0.6	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
128	2.41	0.176	0.41	0.90	41	917	31	10 367	937.3	1982	84 12 - GPP
64	7.53	0.220	0.40	0.95	24	930	33	10 411	963.7	1982	92 05 - GPP
64	7.70	0.210	0.35	0.95	19	908	32	10 374	968.4	1982	89 12 - GPP
32	4.43	0.150	0.48	0.85	67	875	32	10 103	1 032.0	1973	84 11 - GPP
16	6.20	0.190	0.40	0.90	40	933	31	7 548	974.3	1982	83 05 - GPP
32	1.00	0.200	0.35	0.85	67	875	32	10 951	1 042.0	1982	92 09 - ABAND 90 02
56	2.38	0.280	0.39	0.88	47	904	34	10 025	944.1	1982	88 01 - GPP
16	3.30	0.240	0.40	0.90	39	969	34	9 500	939.2	1982	83 06 - ABAND 86 11
16	13.00	0.190	0.41	0.90	41	933	33	10 415	973.1	1982	91 12 - GPP
32	8.50	0.178	0.43	0.88	50	907	33	10 041	950.3	1983	83 11 - ABAND 91 07
32	3.60	0.160	0.40	0.90	41	910	28	10 142	934.3	1982	83 12 - GPP
16	7.50	0.180	0.30	0.90	42	890	31	11 274	1 002.2	1983	92 12 - GPP
64	2.00	0.220	0.35	0.90	42	887	30	9 665	967.3	1983	84 05 - GPP
16	3.00	0.170	0.35	0.88	52	931	29	9 674	968.3	1983	89 12 - GPP
16	6.70	0.230	0.32	0.88	52	928	33	10 533	981.8	1983	89 12 - ABAND 90 06
404	4.57	0.180	0.37	0.86	100	894	30	10 710	983.4	1982	88 12 - GPP
196	1.73	0.210	0.36	0.89	41	927	27	10 572	945.8	1983	91 10 - GPP
16	5.20	0.240	0.35	0.88	50	930	34	10 094	1 019.6	1982	88 12 - ABAND 92 07
16	6.10	0.200	0.40	0.88	50	943	33	10 373	984.8	1983	84 09 - GPP
32	1.00	0.230	0.33	0.88	50	915	30	11 120	1 017.7	1983	89 12 - ABAND 88 05
16	3.60	0.150	0.45	0.88	50	890	31	10 254	1 037.2	1983	88 12 - GPP
16	5.00	0.180	0.40	0.88	50	882	31	10 379	1 041.5	1983	84 10 - ABAND 84 06
64	5.90	0.240	0.34	0.90	37	877	29	10 411	965.3	1971	87 12 - GPP
16	1.20	0.250	0.25	0.88	42	904	32	10 904	1 041.1	1980	88 12 - ABAND 89 06
16	3.90	0.170	0.40	0.85	65	902	31	10 669	1 030.2	1982	89 12 - GPP
16	2.50	0.140	0.40	0.85	65	902	31	10 915	1 043.9	1982	84 11 - GPP
16	0.60	0.180	0.32	0.88	53	895	30	10 205	988.8	1984	84 11 - ABAND 87 12
16	2.50	0.180	0.30	0.88	67	875	33	10 435	1 057.6	1984	89 12 - GPP
16	2.10	0.200	0.45	0.88	54	928	30	10 064	964.0	1984	84 12 - GPP
16	1.80	0.160	0.38	0.90	40	904	30	10 910	1 022.8	1973	85 01 - GPP
32	1.00	0.180	0.45	0.88	53	897	30	10 251	982.8	1984	91 12 - GPP
32	2.50	0.180	0.40	0.88	50	900	32	9 755	929.1	1984	91 12 - GPP
16	1.00	0.180	0.48	0.88	50	925	30	9 264	932.2	1984	85 05 - ABAND 86 09
32	4.00	0.180	0.37	0.88	50	880	30	9 239	995.7	1984	89 12 - GPP
16	2.20	0.220	0.35	0.92	33	880	30	9 917	976.4	1984	85 05 - ABAND 88 10
16	3.90	0.170	0.50	0.90	42	871	31	11 380	1 004.0	1985	85 07 - GPP
16	5.40	0.170	0.32	0.90	42	890	33	11 012	1 040.2	1984	90 11 - GPP
113	5.39	0.190	0.39	0.85	64	892	32	10 824	983.0	1962	88 12 - GPP
32	4.90	0.220	0.30	0.95	26	920	21	10 312	964.7	1985	86 03 - ABAND 91 11
32	1.50	0.210	0.35	0.88	53	895	28	10 850	981.2	1984	87 12 - GPP
16	1.40	0.160	0.70	0.87	59	825	29	10 434	993.5	1986	87 07 - ABAND 88 03
99	2.92	0.260	0.44	0.88	53	876	30	10 477	977.5	1971	87 12 - GPP
16	4.30	0.160	0.44	0.83	66	830	39	10 105	996.9	1987	88 02 - GPP
32	3.00	0.170	0.47	0.90	45	869	29	9 030	950.5	1988	91 12 - GPP
24	3.63	0.170	0.35	0.83	67	852	39	9 271	996.8	1987	90 12 - GPP
32	3.09	0.180	0.30	0.85	48	904	32	10 632	959.0	1962	81 05 - GPP
380	3.56	0.160	0.39	0.87	59	886	29	10 575	965.1	1979	90 01 - GPP
16	6.22	0.230	0.38	0.90	41	910	28	10 702	971.4	1990	90 11 - GPP
45	2.19	0.250	0.33	0.90	43	904	29	10 342	971.2	1978	91 12 - GPP
81	1.94	0.250	0.41	0.90	43	904	29	10 031	944.0	1966	91 07 - GPP
16	2.30	0.250	0.32	0.87	59	825	29	10 292	966.9	1991	91 11 - GPP
16	3.50	0.160	0.50	0.87	59	886	29	10 419	1 058.0	1991	92 03 - GPP
16	3.00	0.250	0.37	0.87	59	886	29	10 980	1 048.5	1991	92 03 - GPP
32	1.80	0.180	0.40	0.85	67	875	32	11 086	1 047.3	1991	92 12 - GPP
16	1.90	0.250	0.35	0.90	43	904	29	11 053	1 049.3	1991	92 05 - GPP
64	2.50	0.200	0.37	0.88	50	902	31	12 975	1 045.0	1983	83 07 - GPP
64	3.03	0.170	0.48	0.88	52	895	33	10 538	985.8	1983	85 12 - GPP
32	2.50	0.200	0.45	0.88	52	888	31	10 604	993.0	1983	85 12 - GPP
64	2.10	0.190	0.35	0.88	52	893	31	7 786	978.2	1985	85 08 - ABAND 85 12
32	3.40	0.230	0.33	0.85	64	892	32	10 395	991.2	1963	85 12 - ABAND 89 03
64	4.00	0.190	0.47	0.84	69	892	32	10 723	963.3	1988	89 02 - GPP
64	7.30	0.210	0.45	0.83	66	852	39	10 705	983.1	1988	89 05 - GPP
16	1.80	0.190	0.30	0.85	66	875	32	10 972	1 049.9	1988	89 11 - GPP
32	3.30	0.100	0.30	0.95	20	885	33	6 905	983.7	1991	92 12 - ABAND 92 02
64	9.72	0.110	0.37	0.90	40	871	34	12 246	1 354.1	1986	88 04 - GPP
64	2.60	0.150	0.23	0.89	49	883	35	12 298	1 348.4	1988	88 10 - GPP
65	3.05	0.160	0.35	0.85	35	927	38	8 830	1 157.6	1968	71 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ALEXANDER 056-27W4 (CONTINUED)								
BASAL QUARTZ E	126.0	0.08		10.1		10.1	6.4	3.7
BASAL QUARTZ G	178.0	0.10		17.8		17.8	12.1	5.7
WABAMUN B	127.0	<0.01		0.3		0.3	0.3	
WABAMUN C	42.7	0.10		4.3		4.3	1.8	2.5
WABAMUN D	153.0	<0.01		1.0		1.0	1.0	
WABAMUN E	67.6	0.15		10.1		10.1	7.3	2.8
WABAMUN F	31.3	<0.08		2.2		2.2	2.2	
FIELD TOTAL	900.6			46.4		46.4	31.7	14.7
ALEXIS 055-04W5								
OSTRACOD A	159.0	<0.01		0.7		0.7	0.7	
OSTRACOD B	296.0	0.04		11.8		11.8	9.8	2.0
BANFF A	7 577.0	0.15		1 137.0		1 137.0	561.5	575.5
FIELD TOTAL	8 032.0			1 149.5		1 149.5	572.0	577.5
ALTARIO 035-01W4								
MCLAREN A	82.3	0.05		4.1		4.1	1.9	2.2
GLAUCONITIC A	86.6	<0.01		0.1		0.1	0.1	
GLAUCONITIC B	72.4	<0.01		0.1		0.1	0.1	
GLAUCONITIC C	56.0	<0.01		0.2		0.2	0.2	
CUMMINGS A	327.0	<0.01		0.1		0.1	0.1	
BAKKEN A	980.0	0.05		49.0		49.0	10.5	38.5
FIELD TOTAL	1 604.3			53.6		53.6	12.9	40.7
ANTE CREEK 066-24W5								
NORDEGG A	670.0	0.05		33.5		33.5	15.7	17.8
FIELD TOTAL *	670.0			33.5		33.5	15.7	17.8
ANTELOPE 029-01W4								
BAKKEN A	137.0	0.05		6.9		6.9	0.2	6.7
FIELD TOTAL *	137.0			6.9		6.9	0.2	6.7
ARMADA 016-19W4								
UPPER MANNVILLE E	318.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE H	169.0	0.05		8.5		8.5	2.7	5.8
BASAL QUARTZ C	6.3	<0.05		0.3		0.3	0.3	
FIELD TOTAL *	493.3			9.2		9.2	3.4	5.8
ATIM 054-27W4								
OSTRACOD A	116.0	0.05		5.8		5.8	0.2	5.6
FIELD TOTAL	116.0			5.8		5.8	0.2	5.6
ATLEE-BUFFALO 021-06W4								
UPPER MANNVILLE A	77.2	<0.02		1.0		1.0	1.0	
UPPER MANNVILLE F	3 803.0	0.02		76.1		76.1	53.1	23.0
UPPER MANNVILLE G	5 065.0	0.04		203.0		203.0	155.9	47.1
UPPER MANNVILLE K	46.7	<0.05		1.9		1.9	1.9	
UPPER MANNVILLE P	413.0	0.05		20.6		20.6	4.2	16.4
UPPER MANNVILLE R	14.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE S	34.2	<0.01		0.2		0.2	0.2	
GLAUCONITIC A	142.0	0.05		7.1		7.1	1.6	5.5
GLAUCONITIC B	25.1	<0.01		0.2		0.2	0.2	
GLAUCONITIC C	428.0	0.03		12.8		12.8	1.2	11.6
GLAUCONITIC D	151.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC E	29.2	0.10		2.9		2.9	1.3	1.6
GLAUCONITIC G	117.0	<0.01		0.1		0.1	0.1	
OSTRACOD A	22.5	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE B	192.0	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE D	114.0	<0.01		0.5		0.5	0.5	
BASAL MANNVILLE E	79.5	<0.09		7.0		7.0	7.0	
BASAL MANNVILLE F	26.5	<0.06		1.4		1.4	1.4	
BANFF A	188.0	<0.01		0.3		0.3	0.3	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	1.52	0.230	0.34	0.85	66	887	48	9 100	1 234.1	1976	85 12
64	2.20	0.200	0.21	0.80	90	860	39	7 345	1 225.8	1983	84 10 - GPP
16	10.06	0.124	0.25	0.85	39	927	48	9 100	1 234.1	1968	71 12 - ABAND 72 12
16	5.90	0.095	0.44	0.85	64	938	37	9 214	1 241.8	1984	85 04 - GPP
32	5.00	0.160	0.37	0.95	15	940	43	9 757	1 310.5	1983	84 02 - ABAND 86 06
64	2.30	0.090	0.40	0.85	78	939	34	9 429	1 247.4	1981	88 12 - GPP
16	2.70	0.130	0.36	0.87	54	923	38	10 145	1 197.4	1985	92 10
65	2.44	0.160	0.30	0.90	50	921	43	11 380	1 361.8	1968	71 12 - ABAND 71 12
65	3.66	0.200	0.30	0.89	44	946	43	11 460	1 388.1	1970	88 12 - GPP
729	14.36	0.130	0.36	0.87	51	921	43	11 470	1 373.7	1968	83 09 - GPP
16	2.90	0.320	0.41	0.94	24	943	28	7 044	821.5	1988	88 12
16	4.00	0.230	0.40	0.98	7	970	30	6 999	857.0	1980	80 10
16	3.50	0.220	0.40	0.98	7	970	30	7 010	861.8	1980	80 10 - ABAND 86 11
16	1.70	0.280	0.25	0.98	14	985	33	6 268	871.9	1979	80 03 - ABAND 83 01
32	6.40	0.280	0.40	0.95	11	905	28	6 318	873.0	1989	90 01 - ABAND 91 11
178	3.15	0.300	0.38	0.94	41	959	31	5 891	872.3	1987	89 04
16	21.30	0.230	0.10	0.95	10	953	64	29 034	2 052.8	1987	87 08 - GPP
16	6.70	0.220	0.39	0.95	39	967	36	8 901	901.4	1989	91 04
64	8.68	0.120	0.47	0.90	62	922	35	11 138	1 169.7	1984	88 12 - ABAND 89 08
32	11.60	0.120	0.57	0.88	54	923	38	11 965	1 217.5	1989	92 05 - GPP
16	0.60	0.120	0.38	0.88	50	930	37	11 701	1 232.7	1981	83 11 - ABAND 91 11
16	7.40	0.220	0.52	0.93	27	953	39	6 582	1 229.2	1989	92 01
16	3.10	0.260	0.37	0.95	32	969	26	9 285	922.2	1972	89 12 - GPP
576	4.00	0.260	0.31	0.92	20	972	31	10 350	920.6	1973	90 12 - GPP
565	4.53	0.280	0.24	0.93	22	969	30	10 032	890.8	1980	90 12
16	1.80	0.280	0.39	0.95	32	969	26	9 256	986.6	1977	92 10 - ABAND 92 08
16	11.80	0.299	0.23	0.95	32	970	26	10 152	988.1	1986	87 04
16	1.30	0.250	0.72	0.96	22	990	31	10 777	981.2	1987	91 10 - ABAND 90 12
16	1.50	0.270	0.45	0.96	22	994	31	10 806	912.0	1989	89 12 - ABAND 90 02
16	5.70	0.240	0.30	0.93	31	965	32	8 861	875.4	1981	82 04 - GPP
16	1.30	0.200	0.35	0.93	30	976	32	8 780	866.9	1982	84 05
32	7.34	0.290	0.31	0.91	37	979	31	9 946	946.0	1987	90 10 - GPP
16	5.00	0.290	0.30	0.93	27	955	37	10 029	969.2	1986	88 06 - ABAND 89 09
16	1.00	0.280	0.32	0.96	22	990	31	10 491	972.3	1987	88 07 - GPP
16	6.00	0.270	0.53	0.96	22	994	31	9 962	952.5	1990	92 12 - ABAND 92 09
16	1.00	0.220	0.34	0.97	10	980	33	9 230	1 009.2	1982	83 01 - ABAND 88 02
16	9.70	0.220	0.42	0.97	21	986	33	10 690	1 020.2	1976	78 10
16	6.10	0.220	0.44	0.95	21	990	28	9 450	942.1	1974	92 11
32	2.40	0.184	0.42	0.97	21	986	33	9 896	1 009.7	1977	92 10 - ABAND 92 08
16	1.20	0.230	0.38	0.97	21	986	33	10 645	1 013.8	1972	82 06 - GPP
16	7.00	0.250	0.30	0.96	15	990	32	10 250	897.2	1982	85 12 - ABAND 89 10

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
ATLEE-BUFFALO 021-06W4 (CONTINUED)								
FIELD TOTAL	10 967.9			335.8		335.8	230.6	105.2
AUBURNDALE 047-06W4								
COLONY F	103.0	<0.01		0.1		0.1	0.1	
WAINWRIGHT A	1 013.0	0.15		152.0		152.0	108.5	43.5
WAINWRIGHT B	1 589.0	0.05		79.5		79.5	37.4	42.1
FIELD TOTAL	2 705.0			231.6		231.6	146.0	85.6
BADGER 016-18W4								
UPPER MANNVILLE B TOTAL	3 014.0			391.0	522.0	913.0	278.0	635.0
PRIMARY AREA	1 080.0	0.13		140.0		140.0		
WATER FLOOD AREA	1 934.0	0.13	0.27	251.0	522.0	773.0		
UPPER MANNVILLE D	150.0	0.13		19.5		19.5	13.7	5.8
UPPER MANNVILLE K	203.0	0.10		20.3		20.3	9.6	10.7
UPPER MANNVILLE L	210.0	0.10		21.0		21.0	4.9	16.1
UPPER MANNVILLE M	82.2	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE A	101.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE C	37.4	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	3 797.6			452.3	522.0	974.3	306.7	667.6
BANTRY 018-13W4								
MANNVILLE A	22 800.0	0.40		9 120.0		9 120.0	7 689.6	1 430.4
MANNVILLE B	1 756.0	0.16		281.0		281.0	263.2	17.8
MANNVILLE D	4 757.0	0.30		1 427.0		1 427.0	1 340.3	86.7
MANNVILLE F	3 258.0	0.10		326.0		326.0	156.1	169.9
MANNVILLE G	752.0	0.25		188.0		188.0	109.6	78.4
MANNVILLE H	98.8	<0.02		1.7		1.7	1.7	
MANNVILLE I	165.0	0.15		24.8		24.8	22.1	2.7
MANNVILLE J	135.0	<0.01		0.2		0.2	0.2	
MANNVILLE M	1 120.0	0.02		22.4		22.4	13.5	8.9
MANNVILLE O	173.0	0.07		12.1		12.1	11.0	1.1
MANNVILLE P	453.0	0.07		31.7		31.7	24.7	7.0
MANNVILLE R	76.8	<0.01		0.1		0.1	0.1	
MANNVILLE S	70.0	0.07		5.0		5.0	4.2	0.8
MANNVILLE V	82.1	<0.01		0.5		0.5	0.5	
MANNVILLE W	64.1	<0.04		2.3		2.3	2.3	
MANNVILLE Z	175.0	0.15		26.3		26.3	14.5	11.8
MANNVILLE AA	183.0	<0.01		0.8		0.8	0.8	
MANNVILLE DD	297.0	0.10		29.7		29.7	12.4	17.3
MANNVILLE FF	2 159.0	0.20		432.0		432.0	274.6	157.4
MANNVILLE GG	64.2	<0.02		1.1		1.1	1.1	
MANNVILLE HH	83.1	<0.01		0.1		0.1	0.1	
MANNVILLE II	169.0	<0.01		0.6		0.6	0.6	
MANNVILLE JJ	11.9	<0.01		0.1		0.1	0.1	
MANNVILLE KK	30.7	0.15		4.6		4.6	2.4	2.2
MANNVILLE LL	62.8	0.10		6.3		6.3	2.7	3.6
MANNVILLE MM	106.0	0.05		5.3		5.3	1.4	3.9
MANNVILLE PP	456.0	0.10		45.6		45.6		45.6
SUNBURST A	146.0	0.10		14.6		14.6	14.0	0.6
SUNBURST C	300.0	0.20		60.0		60.0	27.6	32.4
DETRITAL A	58.9	0.10		5.9		5.9	4.0	1.9
DETRITAL B	952.0	0.10		95.2		95.2	67.0	28.2
DETRITAL C	36.0	0.10		3.6		3.6	1.8	1.8
PEKISKO A	66.4	<0.02		0.8		0.8	0.8	
PEKISKO B	172.0	<0.01		0.8		0.8	0.8	
PEKISKO C	134.0	0.10		13.4		13.4	2.6	10.8
PEKISKO G	620.0	0.10	0.01	62.0	6.2	68.2	59.2	9.0
WATER FLOOD								
PEKISKO J	120.0	0.15		18.0		18.0	13.6	4.4
PEKISKO K	168.0	0.12		20.2		20.2	15.8	4.4
PEKISKO L	360.0	0.10		36.0		36.0	27.6	8.4
PEKISKO M	94.0	0.15		14.1		14.1	11.4	2.7
PEKISKO N	160.0	0.20		32.0		32.0	21.7	10.3
PEKISKO I & SUNBURST B	404.0	0.08		32.3		32.3	24.2	8.1
FIELD TOTAL	43 349.8			12 404.2	6.2	12 410.4	10 241.9	2 168.5

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
16	4.00	0.270	0.40	0.99	8	971	26	2 529	619.6	1981	82 07
364	1.61	0.300	0.40	0.96	14	959	24	3 760	630.9	1964	91 12 - GPP
369	1.82	0.316	0.22	0.96	9	959	24	3 860	626.8	1973	81 12 - GPP
317					56	930	34	11 853	1 110.3	1980	91 03
128	5.00	0.240	0.20	0.88							- GPP
189	6.06	0.240	0.20	0.88							
139	1.26	0.150	0.35	0.88	55	930	33	12 656	1 114.1	1981	87 12
64	2.70	0.230	0.42	0.88	56	930	34	11 863	1 191.0	1982	91 03
64	3.50	0.190	0.44	0.88	56	930	34	11 842	1 175.0	1982	91 03
64	1.00	0.200	0.27	0.88	56	930	34	11 942	1 119.5	1983	91 03 - ABAND 85 06
16	5.90	0.150	0.20	0.90	46	965	38	12 270	1 149.3	1978	79 02
16	2.50	0.200	0.48	0.90	43	928	38	12 114	1 183.5	1985	86 04 - ABAND 89 09
4 048	3.50	0.265	0.31	0.88	54	904	28	10 860	989.0	1947	92 12 - GPP
456	2.50	0.250	0.30	0.88	54	904	28	10 790	971.1	1960	92 12 - GPP
925	3.63	0.230	0.30	0.88	54	904	33	10 790	1 021.4	1963	89 08 - GPP
1 043	2.53	0.230	0.39	0.88	54	904	33	11 200	1 014.3	1962	92 04
192	2.65	0.240	0.30	0.88	54	904	28	10 830	979.3	1964	92 12 - GPP
32	2.13	0.230	0.30	0.90	54	904	38	10 930	1 004.3	1965	89 12 - GPP
70	1.83	0.230	0.30	0.80	54	904	32	11 030	1 027.5	1964	91 12 - GPP
16	7.01	0.210	0.35	0.88	54	904	33	10 960	1 018.3	1967	68 09 - ABAND 68 07
120	6.06	0.250	0.30	0.88	54	904	36	8 960	1 003.1	1958	85 12 - GPP
32	3.05	0.250	0.10	0.79	57	915	37	11 400	1 012.2	1964	81 12 - GPP
48	5.50	0.260	0.25	0.88	54	904	28	10 930	974.1	1968	87 12 - GPP
32	2.50	0.220	0.51	0.89	47	910	37	10 578	1 006.3	1979	81 02 - ABAND 84 12
32	1.53	0.250	0.35	0.88	54	904	33	10 551	1 019.1	1948	83 01 - GPP
32	2.70	0.180	0.40	0.88	54	903	31	9 818	973.9	1980	81 12 - ABAND 92 08
16	3.50	0.200	0.35	0.88	54	914	31	9 592	948.5	1980	92 10
32	4.50	0.200	0.31	0.88	48	883	34	10 596	964.8	1982	85 08 - GPP
64	2.50	0.200	0.35	0.88	48	893	35	10 304	1 010.5	1982	89 12
96	2.99	0.210	0.44	0.88	54	887	29	9 339	949.5	1983	83 09 - GPP
440	3.08	0.255	0.29	0.88	54	904	33	10 790	1 014.2	1968	92 12 - GPP
64	1.00	0.190	0.40	0.88	50	893	37	9 188	1 025.3	1984	92 04 - ABAND 91 11
64	1.10	0.220	0.39	0.88	53	882	30	10 867	1 005.4	1984	85 05
64	2.38	0.200	0.37	0.88	49	893	34	9 389	1 019.9	1985	85 10 - ABAND 89 03
16	1.20	0.150	0.53	0.88	49	870	30	8 573	969.1	1985	85 10 - ABAND 86 02
24	1.21	0.200	0.40	0.88	50	890	30	8 625	974.6	1986	88 12 - GPP
64	1.10	0.170	0.41	0.89	45	887	37	10 243	1 009.1	1989	90 10 - GPP
32	4.00	0.160	0.40	0.86	66	871	32	10 791	986.5	1990	91 10
32	23.00	0.150	0.52	0.86	66	871	32	9 986	989.0	1983	92 09
32	5.00	0.160	0.35	0.88	48	880	32	10 414	961.5	1983	86 10 - GPP
60	4.79	0.200	0.40	0.87	59	886	29	9 082	981.8	1973	90 12 - GPP
32	1.53	0.228	0.40	0.88	42	870	30	8 371	972.0	1983	83 11 - GPP
160	4.39	0.230	0.33	0.88	50	882	30	10 096	975.4	1984	88 05
16	3.20	0.160	0.50	0.88	51	880	30	7 600	962.8	1986	86 10 - GPP
16	14.63	0.045	0.30	0.90	53	965	39	10 740	976.6	1966	68 05 - ABAND 68 09
55	3.05	0.170	0.33	0.90	40	934	32	10 290	983.0	1976	83 12 - ABAND 78 05
64	2.00	0.150	0.20	0.87	55	880	33	10 477	1 007.5	1982	83 01 - GPP
183	6.45	0.080	0.27	0.90	45	896	32	10 000	967.7	1972	92 12 - GPP
31	10.20	0.065	0.35	0.90	45	896	32	10 659	961.4	1982	90 12 - GPP
32	8.70	0.090	0.24	0.88	45	884	29		962.4	1984	90 12 - GPP
101	5.00	0.108	0.25	0.88	49	892	34	10 520	1 022.2	1978	91 12 - GPP
24	5.62	0.120	0.34	0.88	49	888	34	10 730	1 037.3	1979	88 12 - GPP
64	2.81	0.140	0.28	0.88	49	881	34	9 113	1 021.2	1980	90 12 - GPP
100	7.98	0.076	0.26	0.90	45	896	32	10 626	964.7	1983	91 12

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
BARRHEAD 058-05W5								
BANFF A	59.1	<0.02		1.0		1.0	1.0	
FIELD TOTAL	59.1			1.0		1.0	1.0	
BAXTER LAKE 046-05W4								
MANNVILLE C	142.0	<0.01		0.1		0.1	0.1	
WAINWRIGHT	1 342.0	0.17		228.0		228.0	224.2	3.8
WAINWRIGHT C	659.0	0.15		98.9		98.9	76.0	22.9
LLOYDMINSTER A	203.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	2 346.0			327.2		327.2	300.5	26.7
BENTON 029-03W4								
MANNVILLE A	82.2	<0.01		0.8		0.8	0.8	
FIELD TOTAL	82.2			0.8		0.8	0.8	
BERRY 027-12W4								
UPPER MANNVILLE J	81.0	<0.01		0.7		0.7	0.7	
UPPER MANNVILLE M	42.2	0.05		2.1		2.1	1.7	0.4
UPPER MANNVILLE O	41.2	0.10		4.1		4.1	2.9	1.2
LOWER MANNVILLE A	888.0	0.04		35.5		35.5	26.8	8.7
LOWER MANNVILLE F	150.0	0.08		12.0		12.0	8.8	3.2
LOWER MANNVILLE I	52.4	<0.02		0.6		0.6	0.6	
FIELD TOTAL *	1 254.8			55.0		55.0	41.5	13.5
BIGORAY 052-08W5								
PEKISKO A	5 400.0	0.04		216.0		216.0	169.4	46.6
PEKISKO F	21.9	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	5 421.9			216.1		216.1	169.5	46.6
BINDLOSS 022-04W4								
GLAUCONITIC A	43.1	<0.03		1.0		1.0	1.0	
LOWER MANNVILLE A	194.0	0.05		9.7		9.7	6.9	2.8
LOWER MANNVILLE B	166.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	403.1			10.8		10.8	8.0	2.8
BIRCH 050-11W4								
GENERAL PETROLEUM A	109.0	<0.02		1.4		1.4	1.4	
FIELD TOTAL	109.0			1.4		1.4	1.4	
BLACK BUTTE 001-08W4								
MANNVILLE B	932.0	0.10		93.2		93.2	51.2	42.0
FIELD TOTAL	932.0			93.2		93.2	51.2	42.0
BLUERIDGE 059-10W5								
PEKISKO A	102.0	<0.06		5.5		5.5	5.5	
FIELD TOTAL	102.0			5.5		5.5	5.5	
BOLLOQUE 064-25W4								
UPPER MANNVILLE A	246.0	0.02		4.9		4.9	2.8	2.1
UPPER MANNVILLE G	385.0	0.01		3.9		3.9	3.8	0.1
UPPER MANNVILLE K	664.0	0.02		13.3		13.3	4.1	9.2
FIELD TOTAL	1 295.0			22.1		22.1	10.7	11.4
BOW ISLAND 011-11W4								
GLAUCONITIC A	5 230.0	0.10		523.0		523.0	384.0	139.0
GLAUCONITIC B	51.7	0.10		5.2		5.2		5.2
LOWER MANNVILLE A	49.4	0.10		4.9		4.9	1.1	3.8
LOWER MANNVILLE C	97.3	0.10		9.7		9.7	9.1	0.6
LOWER MANNVILLE D	173.0	<0.01		0.3		0.3	0.3	
SAWTOOTH B	240.0	0.05		12.0		12.0	4.3	7.7
SAWTOOTH D	336.0	0.20		67.2		67.2	30.0	37.2
SAWTOOTH E	70.7	0.25		17.7		17.7	10.9	6.8
SAWTOOTH F	341.0	0.25		85.3		85.3	10.2	75.1

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
32	3.00	0.110	0.30	0.80	51	921	40	9 777	1 222.5	1949	82 12
16	3.70	0.330	0.22	0.93	28	959	29	4 450	661.1	1975	92 11
307	2.00	0.330	0.31	0.96	18	952	22	3 930	667.8	1947	88 12 - GPP
243	1.24	0.330	0.31	0.96	20	959	20	3 890	629.0	1973	90 09 - GPP
16	10.67	0.240	0.45	0.90	27	927	32	4 128	707.6	1975	78 12
16	4.10	0.240	0.42	0.90	39	944	36		904.8	1988	89 02 - ABAND 89 09
32	2.47	0.190	0.40	0.90	43	876	37	9 482	1 119.2	1978	83 12
32	2.00	0.150	0.50	0.88	48	858	34	10 145	1 100.5	1978	91 12
64	0.70	0.180	0.42	0.88	49	803	45	9 586	1 102.9	1988	88 11
160	4.47	0.210	0.35	0.91	40	891	34	9 670	1 080.1	1964	83 10 - GPP
48	3.23	0.180	0.41	0.91	51	860	42	9 324	1 115.4	1975	82 12 - GPP
64	1.00	0.180	0.50	0.91	36	875	43	10 951	1 136.0	1985	87 09 - ABAND 88 04
3 000	4.58	0.072	0.35	0.84	62	915	64	15 070	1 903.8	1962	92 11 - GPP
32	4.20	0.035	0.44	0.83	68	935	65	14 305	1 977.0	1979	86 08 - ABAND 86 09
16	1.50	0.270	0.30	0.95	44	945	31	6 695	785.8	1982	88 12 - GPP
32	3.40	0.280	0.33	0.95	22	974	30	9 300	787.9	1974	89 12 - GPP
16	6.10	0.280	0.36	0.95	16	778	40	7 130	786.3	1981	83 01
16	4.50	0.280	0.45	0.98	3	965	24	4 871	643.8	1980	82 03 - GPP
333	2.47	0.210	0.38	0.87	62	915	32	8 520	943.2	1969	92 01 - GPP
128	2.07	0.065	0.30	0.85	46	940	54	12 490	1 759.3	1967	92 11 - GPP
65	2.44	0.250	0.35	0.96	35	946	21	5 810	863.2	1974	89 12 - GPP
16	12.95	0.280	0.33	0.99	10	971	24	4 474	634.9	1984	92 12 - GPP
32	11.24	0.290	0.33	0.95	20	973	32	4 377	638.5	1988	90 06 - GPP
288	9.55	0.260	0.23	0.95	19	920	34	9 876	911.3	1985	86 05 - GPP
16	2.30	0.200	0.26	0.95	19	952	33	9 185	911.9	1990	90 09 - GPP
16	2.50	0.200	0.35	0.95	16	928	31	10 686	918.8	1979	82 03
64	1.27	0.200	0.37	0.95	16	916	31	10 310	931.4	1984	88 08 - GPP
32	3.00	0.260	0.27	0.95	20	916	33	10 378	927.0	1985	85 07 - ABAND 89 12
16	7.70	0.270	0.24	0.95	14	905	34	9 737	920.7	1989	92 12 - GPP
64	4.24	0.210	0.38	0.95	14	929	33	5 800	927.7	1980	91 11 - GPP
29	2.30	0.200	0.43	0.93	29	964	33	9 650	913.2	1990	91 12
64	4.11	0.220	0.38	0.95	14	929	34	9 049	924.7	1991	92 11 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
BOW ISLAND 011-11W4 (CONTINUED) SAWTOOTH H	38.8	0.10		3.9		3.9	0.6	3.3
FIELD TOTAL	6 627.9			729.2		729.2	450.5	278.7
CAPRON 026-03W4 DETRITAL D	83.8	<0.01		0.5		0.5	0.5	
BANFF A	27.9	<0.01		0.2		0.2	0.2	
FIELD TOTAL	111.7			0.7		0.7	0.7	
CECIL 084-08W6 CHARLIE LAKE A	11 830.0	0.10		1 183.0		1 183.0	767.9	415.1
CHARLIE LAKE B	359.0	<0.01		0.3		0.3	0.3	
CHARLIE LAKE C	152.0	<0.01		0.2		0.2	0.2	
CHARLIE LAKE D	61.5	<0.01		0.4		0.4	0.4	
CHARLIE LAKE N	41.0	0.10		4.1		4.1	0.2	3.9
CHARLIE LAKE O	1 076.0	0.03		32.3		32.3	18.0	14.3
CHARLIE LAKE Q	142.0	0.05		7.1		7.1	0.1	7.0
CHARLIE LAKE L & M	3 758.0	0.05		188.0		188.0	79.7	108.3
FIELD TOTAL	17 419.5			1 415.4		1 415.4	866.8	548.6
CESSFORD 025-13W4 BASAL COLORADO A	11 830.0			1 542.0	618.0	2 160.0	1 854.6	305.4
TOTAL								
PRIMARY AREA	5 653.0	<0.11		616.0		616.0		
WATER FLOOD AREA	6 176.0	0.15	0.10	926.0	618.0	1 544.0		
MANNVILLE C	29 100.0	0.11		3 201.0		3 201.0	2 682.4	518.6
MANNVILLE E	286.0	0.10		28.6		28.6	26.6	2.0
MANNVILLE I	139.0	0.10		13.9		13.9	10.1	3.8
MANNVILLE X	190.0	0.18		34.2		34.2	28.4	5.8
MANNVILLE QO	124.0	<0.04		4.6		4.6	4.6	
MANNVILLE Y & Z	9 816.0	0.10		982.0		982.0	558.9	423.1
MANNVILLE GGG	80.7	<0.07		5.4		5.4	5.4	
MANNVILLE VVV	47.6	<0.01		0.4		0.4	0.4	
MANNVILLE WWW	89.1	<0.01		0.5		0.5	0.5	
MANNVILLE XXX	146.0	<0.01		0.2		0.2	0.2	
MANNVILLE L2L	57.7	0.10		5.8		5.8	4.1	1.7
MANNVILLE O2O	104.0	0.10		10.4		10.4	6.2	4.2
MANNVILLE P2P	149.0	<0.01		0.5		0.5	0.5	
MANNVILLE Q2Q	66.0	<0.01		0.1		0.1	0.1	
MANNVILLE T2T	203.0	0.10		20.3		20.3	13.0	7.3
MANNVILLE U2U	75.1	0.10		7.5		7.5	1.2	6.3
MANNVILLE V2V	28.9	<0.10		2.7		2.7	2.7	
MANNVILLE Y2Y	50.9	0.15		7.6		7.6	3.2	4.4
MANNVILLE G3G	152.0	0.05		7.6		7.6		7.6
MANNVILLE Z3Z	628.0	0.15		94.2		94.2	16.7	77.5
MANNVILLE A4A	195.0	0.10		19.5		19.5	0.1	19.4
MANNVILLE B4B	113.0	0.10		11.3		11.3	0.1	11.2
MANNVILLE C4C	88.3	0.10		8.8		8.8	1.2	7.6
MANNVILLE D4D	104.0	0.10		10.4		10.4	0.1	10.3
MANNVILLE E4E	55.2	0.10		5.5		5.5	3.6	1.9
MANNVILLE F4F	124.0	0.10		12.4		12.4	0.8	11.6
COLONY A	55.6	<0.01		0.4		0.4	0.4	
BASAL QUARTZ C	789.0	0.02		15.8		15.8	6.0	9.8
BASAL QUARTZ F	103.0	0.10		10.3		10.3	3.5	6.8
BASAL QUARTZ G	106.0	0.10		10.6		10.6	1.1	9.5
BASAL QUARTZ H	115.0	<0.02		1.5		1.5	1.5	
BASAL QUARTZ I	203.0	0.05		10.1		10.1	1.3	8.8
DETRITAL C	78.9	0.05		3.9		3.9	2.2	1.7
DETRITAL D	593.0	0.05		29.7		29.7	0.7	29.0
PEKISKO A	63.6	<0.03		1.4		1.4	1.4	
FIELD TOTAL *	56 149.6			6 121.1	618.0	6 739.1	5 243.8	1 495.3
CHAUVIN 043-01W4 MANNVILLE A TOTAL	6 442.0			698.0	732.0	1 430.0	1 257.9	172.1
PRIMARY AREA	341.0	0.08		27.3		27.3		
WATER FLOOD AREA	6 101.0	0.11	0.12	671.0	732.0	1 403.0		
MANNVILLE B	800.0	0.10		80.0		80.0	73.8	6.2
COLONY A	129.0	0.05		6.5		6.5	3.5	3.0

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
16	2.00	0.220	0.42	0.95	17	919	37	9 761	914.9	1991	92 08 - GPP
16	7.20	0.150	0.50	0.97	11	970	32	8 000	921.5	1991	92 04 - ABAND 92 01
16	3.00	0.130	0.53	0.95	22	965	28	9 289	913.5	1987	88 02 - ABAND 89 05
2 877	4.00	0.160	0.27	0.88	44	907	46	10 038	1 094.0	1975	91 02 - GPP
64	6.39	0.170	0.37	0.82	54	898	42	9 286	864.8	1987	87 12 - ABAND 89 07
32	7.60	0.134	0.47	0.88	45	912	46	10 185	1 152.4	1987	88 08 - ABAND 89 11
32	4.00	0.107	0.49	0.88	45	912	46	10 369	1 154.3	1982	92 10
32	1.60	0.140	0.35	0.88	44	907	46	9 848	1 125.2	1989	91 01
224	4.20	0.180	0.27	0.87	45	910	41	9 136	1 143.1	1984	92 05 - GPP
32	4.14	0.170	0.29	0.89	44	914	45	9 830	1 061.2	1988	91 12
589	5.94	0.170	0.29	0.89	44	849	45	9 625	1 079.8	1987	92 05 - GPP
3 238					46	898	27	8 720	929.9	1950	91 12 - GPP
1 691	2.36	0.258	0.39	0.90							
1 547	3.03	0.240	0.39	0.90							
4 764	5.39	0.220	0.44	0.92	44	910	31	9 760	1 019.5	1951	92 11 - GPP
66	3.88	0.247	0.48	0.87	44	904	37	9 650	1 040.0	1962	77 12 - GPP
65	2.44	0.220	0.54	0.87	45	892	31	9 720	1 022.3	1951	73 12 - GPP
64	3.10	0.200	0.45	0.87	45	892	31	8 540	1 019.6	1968	91 12 - GPP
65	1.52	0.200	0.30	0.90	44	915	32	8 760	1 024.4	1974	77 02
2 369	3.60	0.210	0.37	0.87	45	892	35	9 550	1 006.2	1951	92 12 - GPP
64	1.50	0.210	0.55	0.89	49	904	32	8 340	1 012.8	1977	88 12
32	1.74	0.190	0.50	0.90	31	920	33	7 450	1 023.5	1981	82 07
32	3.20	0.200	0.50	0.87	40	944	36	9 884	1 061.3	1981	85 12
32	4.45	0.193	0.41	0.90	38	910	39	8 008	1 054.2	1982	85 12 - ABAND 84 03
32	2.40	0.180	0.52	0.87	56	910	31	9 550	997.4	1984	84 12 - GPP
64	1.50	0.220	0.40	0.82	78	766	30	9 548	1 102.3	1985	85 12 - GPP
64	2.00	0.230	0.45	0.92	33	919	34	9 322	1 042.0	1985	86 06 - ABAND 90 03
32	2.50	0.230	0.61	0.92	33	909	34	9 368	1 036.8	1986	86 08 - ABAND 89 08
64	3.97	0.170	0.46	0.87	45	895	31	8 474	1 027.3	1987	89 05 - GPP
64	1.50	0.170	0.50	0.92	33	864	38	8 233	1 183.8	1983	84 04
32	1.00	0.180	0.43	0.88	45	907	45	9 184	1 182.0	1984	84 02 - ABAND 90 02
32	2.00	0.160	0.46	0.92	33	919	34	9 799	1 002.2	1988	89 06 - GPP
32	3.00	0.260	0.34	0.92	33	918	34		932.6	1992	92 07 - GPP
200	2.10	0.250	0.35	0.92	33	918	34	9 036	1 015.7	1991	92 04
16	11.03	0.240	0.50	0.92	33	919	34	7 036	1 010.0	1991	92 04 - GPP
16	5.00	0.260	0.41	0.92	33	919	34	7 009	1 008.5	1991	92 04 - GPP
32	2.50	0.240	0.50	0.92	33	919	34	9 099	1 003.5	1991	92 04 - GPP
32	3.20	0.220	0.50	0.92	33	919	34	9 004	1 009.9	1991	92 04 - GPP
32	2.50	0.150	0.50	0.92	33	919	34	6 050	1 006.8	1991	92 04 - GPP
32	3.20	0.240	0.45	0.92	33	919	34	8 362	1 024.4	1991	92 11 - GPP
16	3.00	0.230	0.44	0.90	40	955	38	8 646	860.5	1974	88 12 - GPP
192	6.55	0.140	0.46	0.83	56	865	40	9 250	1 302.9	1980	89 12 - GPP
64	3.00	0.150	0.60	0.89	40	859	32	9 679	996.8	1981	85 08 - GPP
64	2.00	0.176	0.49	0.92	33	890	34	10 548	996.5	1987	88 03
64	1.30	0.240	0.36	0.90	39	896	34	9 721	998.5	1987	88 03 - ABAND 89 06
32	7.20	0.170	0.39	0.85	67	875	31	8 882	989.3	1989	90 11 - GPP
16	5.80	0.150	0.37	0.90	39	896	27	9 389	1 013.8	1987	88 03 - GPP
128	4.82	0.180	0.42	0.92	33	919	34	9 407	1 038.9	1987	91 07 - GPP
65	1.83	0.100	0.40	0.89	66	844	44	9 580	1 277.4	1959	61 09 - ABAND 68 05
844					14	921	24	4 830	630.0	1952	91 12
64	3.30	0.300	0.44	0.96							- GPP
780	4.85	0.300	0.44	0.96							- GPP
191	2.24	0.300	0.35	0.96	14	921	24	4 830	615.7	1954	84 12 - GPP
16	3.90	0.320	0.35	0.99	15	951	26	4 280	571.1	1986	87 05 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
CHAUVIN 043-01W4 (CONTINUED)								
SPARKY A WATER FLOOD	300.0	0.10	0.20	30.0	60.0	90.0	83.3	6.7
SPARKY D	1 510.0	0.08		121.0		121.0	102.8	18.2
SPARKY E	541.0	0.12		64.9		64.9	48.1	16.8
GENERAL PETROLEUM A	234.0	<0.01		0.8		0.8	0.8	
LLOYDMINSTER C	253.0	<0.01		0.1		0.1	0.1	
CUMMINGS A	556.0	0.02		11.1		11.1	7.1	4.0
FIELD TOTAL	10 765.0			1 012.4	792.0	1 804.4	1 577.4	227.0
CHAUVIN SOUTH 042-02W4								
UPPER MANNVILLE D	194.0	<0.01		0.3		0.3	0.3	
COLONY A	556.0	0.05		27.8		27.8	16.6	11.2
COLONY B	833.0	0.03		25.0		25.0	21.0	4.0
COLONY H	567.0	0.10		56.7		56.7	23.5	33.2
COLONY O	231.0	0.05		11.6		11.6	10.4	1.2
COLONY R	194.0	0.05		9.7		9.7	0.5	9.2
SPARKY E TOTAL	5 198.0			779.0	510.0	1 289.0	972.7	316.3
PRIMARY AREA	1 795.0	0.15		269.0		269.0		
WATER FLOOD AREA	3 403.0	0.15	0.15	510.0	510.0	1 020.0		
SPARKY H TOTAL	3 335.0			234.0	607.0	841.0	731.2	109.8
PRIMARY AREA	695.0	0.07		48.7		48.7		
WATER FLOOD AREA	2 640.0	0.07	0.23	185.0	607.0	792.0		
SPARKY M	501.0	0.04		20.0		20.0	13.7	6.3
SPARKY T	66.6	0.07		4.7		4.7	4.4	0.3
SPARKY W	234.0	<0.02		2.6		2.6	2.6	
SPARKY X	1 053.0	0.05		52.6		52.6	42.8	9.8
SPARKY Z	70.6	<0.01		0.3		0.3	0.3	
SPARKY AA	60.2	<0.01		0.1		0.1	0.1	
SPARKY CC	89.9	0.06		5.4		5.4	5.2	0.2
SPARKY DD	23.9	0.10		2.4		2.4	0.5	1.9
SPARKY EE	16.3	<0.01		0.1		0.1	0.1	
SPARKY N,R & S	2 280.0	0.05		114.0		114.0	90.3	23.7
SPARKY A,B &	12 560.0			658.0	1 657.0	2 315.0	1 833.7	481.3
GEN PET A TOTAL								
PRIMARY AREA	3 647.0	0.05		182.0		182.0		
WATER FLOOD AREA	8 910.0	<0.05	0.18	476.0	1 657.0	2 133.0		
GENERAL PETROLEUM B	9.3	0.20		1.9		1.9	1.4	0.5
GENERAL PETROLEUM C	122.0	0.05		6.1		6.1	6.1	
REX A	90.4	<0.02		1.0		1.0	1.0	
LLOYDMINSTER C TOTAL	16 350.0			852.0	205.0	1 057.0	794.7	262.3
PRIMARY AREA	12 930.0	0.05		647.0		647.0		
WATER FLOOD AREA	3 420.0	0.06	0.06	205.0	205.0	410.0		
LLOYDMINSTER E	430.0	0.10		43.0		43.0	27.3	15.7
LLOYDMINSTER F	373.0	<0.02		6.9		6.9	3.2	3.7
LLOYDMINSTER J	157.0	0.05		7.9		7.9	2.8	5.1
DINA A	107.0	<0.01		0.1		0.1	0.1	
DINA B	186.0	<0.01		0.2		0.2	0.2	
DINA C	571.0	0.05		28.5		28.5	1.0	27.5
CAMROSE A	22.2	<0.03		0.5		0.5	0.5	
LEDUC A	321.0	0.05		16.1		16.1	0.9	15.2
FIELD TOTAL	46 802.4			2 968.5	2 979.0	5 947.5	4 603.0	1 344.5
CHERRILL 056-05W5								
BANFF C	3 558.0	0.05		178.0		178.0	112.4	65.6
BANFF F	13 800.0	0.10		1 380.0		1 380.0	402.8	977.2
BANFF O	113.0	<0.01		0.2		0.2	0.2	
BANFF V	217.0	<0.03		4.9		4.9	4.9	
FIELD TOTAL *	17 688.0			1 563.1		1 563.1	520.3	1 042.8
CHIGWELL 041-24W4								
MANNVILLE C	344.0	<0.01		1.7		1.7	1.7	
FIELD TOTAL *	344.0			1.7		1.7	1.7	
CHIN COULEE 007-14W4								
GLAUCONITIC A	221.0	<0.01		1.0		1.0	1.0	
GLAUCONITIC B	134.0	0.05		6.7		6.7	1.7	5.0

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
130	1.82	0.240	0.45	0.96	14	922	24	5 540	625.7	1980	90 12 - GPP
655	1.27	0.300	0.37	0.96	17	950	24	4 712	589.6	1974	84 12 - GPP
170	1.67	0.320	0.38	0.96	17	943	24	4 340	612.6	1979	91 04 - GPP
32	3.37	0.310	0.28	0.97	13	950	24	4 664	636.7	1979	89 12 -
16	6.20	0.310	0.17	0.99	14	955	26	4 935	667.4	1985	88 12 - ABAND 86 07
64	4.44	0.290	0.29	0.95	21	956	26	4 452	637.6	1962	82 09 - GPP
16	5.40	0.320	0.23	0.91	45	985	24	4 292	608.9	1979	80 06
64	4.47	0.292	0.30	0.95	14	927	25	4 220	608.1	1963	87 05 - GPP
40	9.45	0.320	0.29	0.97	9	972	33	4 010	592.2	1968	85 12 - GPP
80	3.36	0.300	0.29	0.99	12	956	24	4 080	564.6	1977	85 12 - GPP
32	3.53	0.310	0.32	0.97	20	940	35	4 030	568.2	1983	86 12 - GPP
16	6.40	0.300	0.35	0.97	18	930	25	3 900	634.4	1985	89 08
1 107					14	910	24	4 790	643.8	1969	90 08
413	2.11	0.290	0.26	0.96							- GPP
694	2.38	0.290	0.26	0.96							
503					20	898	28	4 730	628.3	1971	87 12
109	2.58	0.307	0.16	0.96							- GPP
394	2.77	0.300	0.16	0.96							- GPP
64	3.70	0.310	0.29	0.96	16	921	32	5 020	610.8	1973	87 12 - GPP
48	1.00	0.260	0.45	0.97	12	945	29	4 672	650.8	1979	87 12 - GPP
32	6.28	0.240	0.50	0.97	12	925	25	4 570	658.0	1982	83 05 - ABAND 87 10
248	1.89	0.300	0.22	0.96	18	933	20	4 635	622.6	1977	89 08 - GPP
16	2.50	0.280	0.35	0.97	10	946	33	4 702	610.4	1983	88 12 - ABAND 84 08
32	1.00	0.280	0.30	0.96	20	898	28	4 690	652.5	1981	88 12
32	1.50	0.300	0.35	0.96	15	915	26	6 584	655.8	1981	89 12 - GPP
16	1.00	0.280	0.45	0.97	13	913	24	4 708	610.8	1983	89 01 - GPP
8	1.20	0.280	0.37	0.96	18	930	22	4 717	618.9	1980	89 08 - ABAND 90 08
336	4.22	0.270	0.38	0.96	18	921	24	4 522	624.1	1969	92 01
1 475					16	910	31	4 620	653.2	1952	91 12
349	5.52	0.290	0.32	0.96							- GPP
1 126	3.87	0.300	0.29	0.96							- GPP
16	0.40	0.270	0.42	0.93	28	934	30	3 524	640.4	1985	91 12 - GPP
32	2.85	0.270	0.49	0.97	13	912	24		667.1	1991	92 12 - GPP
16	4.50	0.230	0.40	0.91	14	985	28	6 710	627.8	1983	84 02 - ABAND 86 01
2 624					14	940	25	4 520	665.1	1953	90 11 - GPP
2 058	3.34	0.280	0.30	0.96							
566	3.21	0.280	0.30	0.96							
128	1.84	0.280	0.32	0.96	14	940	24	4 960	693.8	1969	88 12 - GPP
96	1.90	0.300	0.29	0.96	14	904	27	4 670	650.9	1973	80 12 - GPP
16	6.00	0.260	0.35	0.97	20	955	27	4 917	650.5	1984	89 12 - GPP
16	3.05	0.300	0.24	0.97	13	947	27	5 070	672.1	1978	79 01
16	5.50	0.290	0.24	0.96	12	958	33	3 976	703.3	1985	86 05 - ABAND 92 03
74	4.00	0.280	0.29	0.97	9	935	28	4 146	676.6	1988	89 03
16	2.80	0.120	0.57	0.96	13	985	31	4 453	642.0	1969	92 10
32	6.40	0.220	0.28	0.99	15	960	25	4 785	657.4	1985	88 10
634	6.30	0.160	0.36	0.87	53	911	45	10 900	1 387.9	1969	90 07
1 064	14.38	0.170	0.39	0.87	46	910	40	11 381	1 465.3	1981	91 09 - GPP
32	3.78	0.196	0.45	0.87	50	904	45	9 084	1 286.6	1984	85 12 - ABAND 86 01
32	11.54	0.110	0.40	0.89	44	935	50	11 210	1 376.6	1981	86 12 - ABAND 90 12
65	4.88	0.170	0.25	0.85	69	887	50	11 310	1 485.6	1969	74 12 - ABAND 73 08
16	13.50	0.130	0.19	0.97	10	926	33	8 830	877.0	1985	92 06 - ABAND 91 09
16	4.50	0.250	0.24	0.98	10	958	27	9 767	928.8	1987	87 01 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
CHIN COULEE 007-14W4 (CONTINUED)								
BASAL MANNVILLE A	4 058.0			406.0	702.0	1 108.0	943.0	165.0
TOTAL								
PRIMARY AREA	548.0	0.10		54.8		54.8		
WATER FLOOD AREA	3 510.0	0.10	0.20	351.0	702.0	1 053.0		
SAWTOOTH A	30.5	0.10		3.1		3.1	1.1	2.0
FIELD TOTAL	4 443.5			416.8	702.0	1 118.8	946.8	172.0
COMPEER 033-02W4								
LOWER MANNVILLE A	118.0	<0.07		8.2		8.2	8.2	
LOWER MANNVILLE B	158.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE C	239.0	0.08		19.1		19.1	12.1	7.0
BANFF A	311.0	0.05		15.6		15.6	10.2	5.4
BANFF B	255.0	0.10		25.5		25.5	20.9	4.6
BANFF D	43.0	0.05		2.2		2.2	0.4	1.8
BANFF E	57.6	0.05		2.9		2.9	0.2	2.7
FIELD TOTAL	1 181.6			73.6		73.6	52.1	21.5
CONNORSVILLE 025-15W4								
LOWER MANNVILLE C	27.3	<0.01		0.1		0.1	0.1	
FIELD TOTAL	27.3			0.1		0.1	0.1	
CONRAD 006-15W4								
ELLIS	2 540.0	0.21		533.0		533.0	527.3	5.7
SAWTOOTH A	182.0	0.10		18.2		18.2	4.2	14.0
SAWTOOTH B	72.6	0.10		7.3		7.3	6.1	1.2
SAWTOOTH C	89.4	0.10		8.9		8.9	3.4	5.5
FIELD TOTAL	2 884.0			567.4		567.4	541.0	26.4
COUNTESS 021-16W4								
UPPER MANNVILLE B	4 051.0			608.0	900.0	1 508.0	1 297.4	210.6
TOTAL								
PRIMARY AREA	453.0	0.15		68.0		68.0		
WATER FLOOD AREA	3 598.0	0.15	0.25	540.0	900.0	1 440.0		
UPPER MANNVILLE D	12 640.0			1 281.0	4 920.0	6 201.0	6 017.3	183.7
TOTAL								
PRIMARY AREA	339.0	0.15		50.9		50.9		
WATER FLOOD AREA	12 300.0	0.10	0.40	1 230.0	4 920.0	6 150.0		
UPPER MANNVILLE F	1 812.0			170.0	509.0	679.0	615.2	63.8
TOTAL								
PRIMARY AREA	220.0	0.05		11.0		11.0		
WATER FLOOD AREA	1 592.0	0.10	0.32	159.0	509.0	668.0		
UPPER MANNVILLE H	5 548.0	0.10	0.33	555.0	1 831.0	2 386.0	2 195.6	190.4
WATER FLOOD								
UPPER MANNVILLE J	687.0	0.15		103.0		103.0	71.7	31.3
UPPER MANNVILLE L	208.0	0.10		20.8		20.8	18.2	2.6
UPPER MANNVILLE M	556.0	0.15	0.15	83.4	83.4	167.0	147.7	19.3
WATER FLOOD								
UPPER MANNVILLE O	2 541.0	0.15	0.32	381.0	814.0	1 195.0	876.5	318.5
WATER FLOOD								
UPPER MANNVILLE T	50.4	<0.03		1.2		1.2	1.2	
UPPER MANNVILLE U	170.0	0.10		17.0		17.0	6.9	10.1
UPPER MANNVILLE Y	144.0	0.10		14.4		14.4	5.9	8.5
UPPER MANNVILLE HH	120.0	0.15		18.0		18.0	9.3	8.7
UPPER MANNVILLE JJ	17.7	0.10		1.8		1.8	1.4	0.4
UPPER MANNVILLE KK	133.0	0.05		6.7		6.7	4.2	2.5
UPPER MANNVILLE MM	301.0	0.10		30.1		30.1	10.4	19.7
UPPER MANNVILLE PP	2 160.0			324.0	748.0	1 072.0	152.3	919.7
TOTAL								
PRIMARY AREA	23.5	0.15		3.5		3.5		
WATER FLOOD AREA	2 136.0	0.15	0.35	320.0	748.0	1 068.0		
UPPER MANNVILLE UU	1 500.0	0.15	0.15	225.0	225.0	450.0	134.3	315.7
WATER FLOOD								
UPPER MANNVILLE VV	864.0	0.10		86.4		86.4	21.2	65.2
UPPER MANNVILLE YY	1 465.0	0.10		147.0		147.0	21.1	125.9
UPPER MANNVILLE ZZ	26.8	0.10		2.7		2.7	0.4	2.3
UPPER MANNVILLE AAA	89.7	0.10		9.0		9.0	0.3	8.7
UPPER MANNVILLE BBB	152.0	0.15		22.8		22.8	6.7	16.1

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
1 414					5	915	32	9 791	940.4	1960	89 12 - GPP
190	2.56	0.194	0.40	0.97							
1 224	2.54	0.194	0.40	0.97							
16	1.60	0.200	0.33	0.89	47	953	31	10 048	962.2	1987	87 10 - GPP
32	2.80	0.230	0.37	0.92	35	934	32	6 158	898.2	1978	79 10 - ABAND 89 08
16	5.00	0.280	0.25	0.94	27	959	28	7 212	885.3	1980	83 12 - ABAND 81 05
64	2.14	0.320	0.42	0.94	25	960	28	6 324	842.8	1984	87 12 - GPP
48	5.00	0.210	0.35	0.95	18	959	36	6 856	845.8	1955	90 05 - GPP
32	4.13	0.290	0.30	0.95	21	937	28	7 680	824.8	1984	91 12 - GPP
16	3.00	0.180	0.47	0.94	18	959	36	7 269	842.0	1987	90 05 - GPP
16	4.60	0.130	0.36	0.94	18	959	36	7 297	844.4	1988	90 05 - GPP
64	1.50	0.080	0.60	0.89	52	893	32	8 890	990.9	1978	79 02 - ABAND 88 08
1 475	1.52	0.198	0.35	0.88	53	904	30	10 340	926.6	1944	85 12 - GPP
96	2.22	0.180	0.46	0.88	52	890	27	9 539	961.8	1986	90 03 - GPP
32	2.80	0.155	0.45	0.95	19	908	29	8 930	976.3	1983	83 11 - GPP
32	2.00	0.210	0.30	0.95	18	921	36	10 004	968.0	1980	81 08 - GPP
624					45	887	37	10 780	1 083.8	1965	92 12
96	3.24	0.234	0.30	0.89							
528	4.09	0.240	0.22	0.89							- GPP
1 655					45	904	36	10 840	1 122.2	1967	91 12
84	2.62	0.234	0.26	0.89							- GPP
1 571	4.58	0.240	0.20	0.89							- GPP
226					45	887	34	10 850	1 075.3	1954	91 12 - GPP
64	2.51	0.220	0.30	0.89							
162	6.40	0.230	0.25	0.89							
679	5.35	0.220	0.22	0.89	50	898	32	11 090	1 072.0	1968	92 12 - GPP
208	2.41	0.220	0.30	0.89	44	887	33	10 950	1 075.8	1969	91 12 - GPP
65	2.29	0.207	0.24	0.89	45	881	39	10 690	1 082.3	1971	72 08 - GPP
32	14.16	0.230	0.38	0.86	59	892	38	11 130	1 079.9	1972	78 06 - GPP
170	8.15	0.260	0.17	0.85	51	915	36	10 670	1 067.7	1973	77 12 - GPP
65	0.91	0.150	0.34	0.86	60	892	32	10 230	1 049.0	1977	78 12
32	4.00	0.230	0.35	0.89	41	890	33	9 720	1 079.5	1978	79 02 - GPP
64	3.50	0.120	0.40	0.89	40	861	36	9 760	1 056.0	1980	81 09 - GPP
50	1.50	0.230	0.22	0.89	43	887	37	11 056	1 108.3	1983	87 12 - GPP
16	1.50	0.160	0.48	0.89	47	900	35	9 392	1 077.3	1984	85 03
32	5.00	0.170	0.43	0.86	55	855	38	9 347	1 216.3	1985	89 12 - GPP
64	3.40	0.210	0.26	0.89	45	823	32	10 824	1 074.1	1986	86 10 - GPP
307					45	887	37	11 458	1 139.0	1984	91 11
16	1.00	0.220	0.25	0.89							- GPP
291	4.43	0.230	0.19	0.89							- GPP
175	5.82	0.226	0.26	0.88	56	880	32	15 004	1 076.7	1989	91 10 - GPP
124	4.40	0.240	0.25	0.88	56	880	32	11 617	1 081.9	1989	91 10
192	4.44	0.250	0.21	0.87	60	879	35	10 805	1 032.3	1990	92 12
16	2.00	0.150	0.38	0.90	44	895	32	10 702	1 054.5	1979	91 05
16	8.40	0.150	0.50	0.89	45	887	37	10 325	1 041.5	1990	91 09 - GPP
43	2.73	0.230	0.36	0.88	45	887	37	10 762	1 124.2	1990	92 10

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
COUNTLESS 021-16W4 (CONTINUED)								
LOWER MANNVILLE A	208.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE C	321.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE F	134.0	0.08		10.7		10.7	6.9	3.8
LOWER MANNVILLE G	251.0	0.05		12.6		12.6	6.6	6.0
LOWER MANNVILLE H	196.0	0.02		3.9		3.9	0.8	3.1
LOWER MANNVILLE I	61.7	<0.01		0.1		0.1		0.1
LOWER MANNVILLE J	105.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE K	87.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE L	257.0	0.02		5.1		5.1	0.7	4.4
LOWER MANNVILLE N	124.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE O	32.8	<0.02		0.6		0.6	0.6	
LOWER MANNVILLE P	117.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE Q	218.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE S	306.0	0.10		30.6		30.6	8.7	21.9
LOWER MANNVILLE T	97.7	0.10		9.8		9.8	0.9	8.9
LOWER MANNVILLE U	69.4	0.08		5.6		5.6	0.1	5.5
LOWER MANNVILLE V	206.0	0.10		20.6		20.6	5.6	15.0
OSTRACOD D	130.0	0.10		13.0		13.0	12.3	0.7
OSTRACOD E & BASAL QUARTZ B	144.0	0.05		7.2		7.2	6.9	0.3
BASAL QUARTZ F	21.0	<0.01		0.1		0.1	0.1	
PEKISKO B	66.6	<0.01		0.1		0.1	0.1	
PEKISKO C	88.1	<0.01		0.1		0.1	0.1	
FIELD TOTAL	38 477.9			4 230.2	10 030.4	14 260.8	11 667.4	2 593.4
DINA 045-01W4								
SPARKY	863.0	0.10		86.3		86.3	84.2	2.1
SPARKY B	134.0	0.05		6.7		6.7	5.0	1.7
SPARKY C	83.4	<0.01		0.1		0.1	0.1	
FIELD TOTAL	1 080.4			93.1		93.1	89.3	3.8
EDGERTON 045-04W4								
COLONY G	73.1	0.05		3.7		3.7	1.4	2.3
SPARKY A	95.2	0.05		4.8		4.8	1.8	3.0
SPARKY B	15.1	<0.03		0.4		0.4	0.4	
GENERAL PETROLEUM A	325.0	<0.01		0.1		0.1	0.1	
LLOYDMINSTER A	151.0	<0.04		6.0		6.0	6.0	
LLOYDMINSTER B	200.0	<0.01		0.5		0.5	0.5	
LLOYDMINSTER C	53.1	<0.02		0.6		0.6	0.6	
LLOYDMINSTER D	55.6	<0.01		0.1		0.1	0.1	
LLOYDMINSTER E	131.0	0.08		10.5		10.5	9.7	0.8
LLOYDMINSTER F	105.0	0.10		10.5		10.5	9.1	1.4
LLOYDMINSTER G	132.0	0.05		6.6		6.6	5.8	0.8
LLOYDMINSTER H	83.9	0.10		8.4		8.4	7.2	1.2
D-2 D	1 658.0	0.08		133.0		133.0	77.9	55.1
D-2 A & CAMROSE A	909.0	0.10		90.9		90.9	32.8	58.1
FIELD TOTAL	3 987.0			276.1		276.1	153.4	122.7
ENCHANT 014-16W4								
UPPER MANNVILLE B	217.0	0.06		13.0		13.0	12.9	0.1
UPPER MANNVILLE D	107.0	<0.03		2.6		2.6	2.6	
UPPER MANNVILLE H	40.6	<0.10		3.8		3.8	3.8	
UPPER MANNVILLE I	112.0	0.06		6.7		6.7	4.1	2.6
UPPER MANNVILLE K	214.0	<0.02		2.7		2.7	2.7	
UPPER MANNVILLE M	50.7	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE S	131.0	0.10		13.1		13.1	8.2	4.9
UPPER MANNVILLE T	26.7	0.10		2.7		2.7	0.1	2.6
UPPER MANNVILLE AA	121.0	0.10		12.1		12.1	1.4	10.7
UPPER MANNVILLE BB	326.0	0.10		32.6		32.6	5.2	27.4
LOWER MANNVILLE B	332.0	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE E	122.0	0.10		12.2		12.2	0.4	11.8
LOWER MANNVILLE I	206.0	0.05		10.3		10.3	4.2	6.1
SUNBURST A	189.0	<0.01		1.8		1.8	1.8	
SUNBURST B	94.6	0.10		9.5		9.5	2.5	7.0
SUNBURST C	74.8	0.10		7.5		7.5	2.2	5.3
ELLIS A	243.0	<0.03		5.6		5.6	5.6	
ELLIS B	223.0	0.20		44.6		44.6	27.4	17.2
ELLIS C	908.0	0.35		318.0		318.0	252.7	65.3

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
32	5.79	0.250	0.50	0.90	41	898	34	11 480	1 105.8	1968	73 12 - ABAND 72 11
65	2.74	0.270	0.25	0.89	42	915	38	10 800	1 139.0	1974	83 12 - ABAND 77 01
32	4.30	0.190	0.42	0.89	48	892	34	11 066	1 131.1	1973	85 12 - GPP
64	4.00	0.160	0.28	0.85	66	864	34	10 800	1 113.9	1979	80 01 - GPP
64	5.00	0.160	0.55	0.85	75	869	36	10 635	1 347.5	1980	84 05 - GPP
64	1.80	0.140	0.55	0.85	53	855	41	10 252	1 334.9	1980	88 12
32	3.60	0.170	0.40	0.89	38	910	37	11 214	1 098.6	1981	82 09 - ABAND 83 03
64	2.00	0.160	0.50	0.85	58	865	40	10 797	1 362.2	1981	83 10
64	7.50	0.140	0.55	0.85	76	869	36	10 272	1 357.5	1981	84 05 - GPP
32	3.30	0.220	0.40	0.89	46	910	36	10 794	1 109.0	1983	92 09 - ABAND 84 05
16	2.56	0.150	0.40	0.89	37	862	35	10 685	1 085.3	1984	91 12
32	3.80	0.180	0.40	0.89	44	900	34	10 385	1 102.6	1979	85 03
64	4.70	0.165	0.50	0.88	47	898	38	10 178	1 286.5	1984	85 06 - ABAND 86 08
49	5.27	0.210	0.32	0.83	83	839	45	11 715	1 159.7	1989	90 01
16	6.80	0.200	0.49	0.88	43	892	38	10 960	1 105.8	1989	90 05 - GPP
16	3.20	0.280	0.45	0.88	43	892	38	11 066	1 148.6	1990	90 11 - GPP
32	4.20	0.260	0.36	0.92	33	918	34	9 979	1 181.7	1990	91 03
85	1.50	0.200	0.42	0.88	48	887	38	9 898	1 249.2	1985	87 12 - GPP
64	2.38	0.174	0.36	0.85	47	887	37	10 180	1 293.9	1958	88 09 - GPP
32	1.30	0.175	0.68	0.90	40	905	35	11 010	1 047.8	1984	84 12
64	4.50	0.040	0.35	0.89	43	864	38	10 300	1 174.3	1980	85 12
64	3.60	0.060	0.25	0.85	64	875	39	10 472	1 363.7	1981	84 12
226	2.06	0.290	0.32	0.94	13	972	25	4 340	554.7	1947	85 12 - GPP
32	2.79	0.290	0.46	0.96	10	961	28	4 204	545.2	1985	86 09 - GPP
32	1.50	0.280	0.36	0.97	13	913	24	4 116	568.8	1988	92 10
16	2.90	0.250	0.35	0.97	13	938	25	4 052	644.0	1979	82 06
16	8.00	0.200	0.60	0.93	27	855	29	3 445	648.0	1984	85 03 - GPP
16	1.00	0.280	0.65	0.96	12	955	25	4 217	637.5	1980	86 01 - ABAND 88 08
64	4.20	0.260	0.50	0.93	27	855	29	4 773	640.2	1984	85 05 - ABAND 87 10
16	5.18	0.240	0.21	0.96	12	940	25	4 275	685.5	1975	78 12
16	4.90	0.330	0.20	0.96	12	934	25	4 260	674.5	1977	78 05
16	2.00	0.270	0.36	0.96	14	959	33	4 312	655.2	1980	80 07 - GPP
16	2.00	0.270	0.33	0.96	12	951	25	4 715	686.5	1980	84 12
32	1.80	0.300	0.21	0.96	12	946	25	4 311	703.9	1979	85 12 - GPP
16	2.60	0.350	0.26	0.97	12	965	28	4 083	667.7	1985	88 04 - GPP
16	3.70	0.310	0.25	0.96	17	959	28	3 779	662.7	1980	82 04 - GPP
16	2.47	0.280	0.21	0.96	16	946	28	4 240	669.0	1976	77 12 - GPP
250	6.35	0.170	0.36	0.96	17	959	25	4 166	639.6	1983	91 12 - GPP
110	7.79	0.170	0.35	0.96	17	959	25	4 552	646.6	1984	87 08
64	2.65	0.240	0.40	0.89	48	915	30	11 310	978.7	1966	82 12 - GPP
64	1.52	0.200	0.38	0.89	56	915	27	10 650	983.9	1968	92 11
16	3.10	0.140	0.35	0.90	46	919	23	11 470	1 014.1	1973	92 10
65	1.83	0.180	0.38	0.85	62	855	24	10 870	1 015.3	1977	86 12 - GPP
16	11.30	0.190	0.30	0.89	44	891	33	11 800	1 044.7	1982	92 11 - ABAND 89 07
16	2.50	0.210	0.33	0.90	35	931	60	9 850	1 041.5	1981	83 02 - ABAND 86 09
32	4.00	0.140	0.19	0.90	42	913	33	10 931	994.0	1987	88 06
16	1.70	0.180	0.38	0.88	57	927	34	12 370	1 090.0	1988	88 08
64	2.30	0.160	0.41	0.87	60	868	32	10 669	1 024.5	1990	91 09
64	6.13	0.150	0.34	0.84	72	890	31	10 690	1 008.5	1991	92 06 - GPP
65	4.57	0.220	0.40	0.85	53	855	38	11 510	1 040.9	1968	69 06 - ABAND 69 09
32	3.00	0.220	0.35	0.89	15	922	24	12 130	1 093.9	1978	88 07
16	10.00	0.210	0.28	0.85	67	875	32	11 146	1 023.0	1988	89 09
65	3.96	0.150	0.40	0.82	82	855	38	11 190	1 032.7	1976	84 12
16	6.00	0.170	0.39	0.95	18	934	33	10 744	1 018.0	1987	89 05 - GPP
58	1.43	0.190	0.50	0.95	20	875	32	10 788	1 007.2	1989	90 11
64	3.00	0.240	0.40	0.88	15	880	30	11 253	1 028.1	1953	89 12 - GPP
96	2.58	0.220	0.53	0.87	53	934	28	10 815	989.8	1983	91 12 - GPP
181	3.10	0.240	0.29	0.95	15	875	34	11 052	991.4	1981	92 02 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
ENCHANT 014-16W4 (CONTINUED)								
ELLIS D	1 690.0	0.25		423.0		423.0	319.3	103.7
ELLIS E	66.6	0.10		6.7		6.7	1.0	5.7
ELLIS F	355.0	0.10		35.5		35.5	18.7	16.8
ELLIS G	150.0	0.10		15.0		15.0	5.8	9.2
ELLIS I	571.0	0.35		200.0		200.0	60.4	139.6
ELLIS J	87.6	0.25		21.9		21.9	3.9	18.0
ELLIS K	292.0	0.25		73.0		73.0	22.6	50.4
ELLIS L	2 207.0	0.30		662.0		662.0	120.0	542.0
ELLIS N	37.6	<0.02		0.5		0.5	0.5	
ELLIS O	105.0	0.30		31.5		31.5	4.8	26.7
ELLIS P	33.7	0.30		10.1		10.1	0.1	10.0
ELLIS Q	301.0	0.25		75.3		75.3		75.3
FIELD TOTAL *	9 634.9			2 054.7		2 054.7	896.3	1 158.4
ENTWISTLE 054-06W5								
BANFF A	219.0	0.05		11.0		11.0	0.4	10.6
FIELD TOTAL	219.0			11.0		11.0	0.4	10.6
ESTHER 032-02W4								
UPPER MANNVILLE B	1 477.0	0.10		148.0		148.0	112.1	35.9
UPPER MANNVILLE F	88.0	0.10		8.8		8.8	3.9	4.9
UPPER MANNVILLE I	200.0	0.10		20.0		20.0	17.4	2.6
UPPER MANNVILLE J	68.4	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE K	71.9	0.05		3.6		3.6	2.4	1.2
UPPER MANNVILLE L	180.0	0.20		36.0		36.0	27.7	8.3
UPPER MANNVILLE M	412.0	0.05		20.6		20.6		20.6
BANFF G	59.1	0.15		8.9		8.9	7.8	1.1
BANFF H	30.8	0.05		1.5		1.5	0.9	0.6
BAKKEN A	57.9	<0.01		0.2		0.2	0.2	
FIELD TOTAL *	2 645.1			247.7		247.7	172.5	75.2
EYREMORE 018-18W4								
LOWER MANNVILLE A	331.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	331.0			0.1		0.1	0.1	
FERGUSON 003-17W4								
LOWER MANNVILLE A	373.0	0.05		18.7		18.7	6.3	12.4
FIELD TOTAL	373.0			18.7		18.7	6.3	12.4
GILBY 041-03W5								
RUNDLE K	627.0	0.02		12.6		12.6	10.4	2.2
FIELD TOTAL *	627.0			12.6		12.6	10.4	2.2
GLADYS 020-27W4								
RUNDLE D	366.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	366.0			0.1		0.1	0.1	
GLENEVIS 055-04W5								
BANFF	3 626.0	<0.45		1 629.0		1 629.0	1 498.8	130.2
FIELD TOTAL	3 626.0			1 629.0		1 629.0	1 498.8	130.2
GRAINDALE 026-02W4								
LOWER MANNVILLE C	83.0	<0.01		0.8		0.8	0.8	
LOWER MANNVILLE D	83.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	166.0			0.9		0.9	0.9	
GRAND FORKS 011-13W4								
UPPER MANNVILLE B	2 971.0			446.0	797.0	1 243.0	1 093.5	149.5
TOTAL								
PRIMARY AREA	21.2	0.15		3.2		3.2		
WATER FLOOD AREA	2 950.0	0.15	0.27	443.0	797.0	1 240.0		
UPPER MANNVILLE E	113.0	0.20		22.6		22.6	10.8	11.8

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
545	2.44	0.220	0.32	0.85	67	875	32	11 135	990.1	1981	88 12 - GPP
16	3.00	0.240	0.32	0.85	74	880	35	10 826	1 003.8	1987	92 03 - GPP
101	2.68	0.260	0.42	0.87	53	876	28	10 535	974.4	1989	91 06 - GPP
32	2.90	0.270	0.37	0.95	18	931	33	10 972	1 012.7	1989	90 11 - GPP
150	3.07	0.250	0.43	0.87	53	875	28	10 579	953.8	1990	92 12 - GPP
32	1.90	0.230	0.28	0.87	53	875	28	10 181	1 002.1	1990	91 03 - GPP
76	2.05	0.260	0.24	0.95	14	875	34	10 001	965.5	1991	92 02 - GPP
286	4.34	0.240	0.22	0.95	14	905	34	10 160	966.2	1991	92 06
16	1.90	0.210	0.38	0.95	18	931	33	10 072	965.3	1991	92 11 - ABAND 92 09
32	2.30	0.220	0.32	0.95	14	905	34	10 194	970.7	1991	92 03
16	1.40	0.270	0.36	0.87	53	877	28	10 429	953.0	1991	92 05 - GPP
80	2.21	0.280	0.30	0.87	53	875	28	10 115	996.4	1992	92 11
16	11.80	0.180	0.26	0.87	34	845	42	13 885	1 553.3	1989	90 09
384	2.16	0.250	0.25	0.95	24	959	29	7 330	720.5	1968	90 12 - GPP
32	2.70	0.170	0.37	0.95	22	950	25	7 081	759.0	1979	83 12 - GPP
80	1.96	0.200	0.33	0.95	20	955	29	7 105	732.8	1984	90 12 - GPP
16	3.00	0.300	0.50	0.95	21	929	27	7 970	812.0	1984	85 08 - ABAND 92 09
32	1.20	0.270	0.27	0.95	40	957	27	6 521	735.6	1972	86 03
22	4.50	0.320	0.40	0.95	20	948	30	4 200	793.9	1969	88 12 - GPP
16	15.10	0.240	0.25	0.95	26	960	30	8 251	775.9	1990	91 07
16	2.70	0.240	0.40	0.95	21	946	29	7 413	826.9	1984	87 12 - GPP
16	2.30	0.160	0.45	0.95	21	959	26	7 541	812.1	1982	85 04 - GPP
16	3.20	0.170	0.30	0.95	30	973	29	7 120	790.0	1984	88 12
64	5.20	0.180	0.35	0.85	67	881	33	9 880	1 152.9	1978	82 12 - ABAND 79 10
64	7.15	0.150	0.44	0.97	10	935	30	9 038	908.7	1969	83 05 - GPP
65	19.14	0.075	0.17	0.81	66	915	69	15 400	2 056.8	1971	75 12
32	25.50	0.120	0.55	0.83	74	948	54	18 530	2 032.5	1979	82 12 - ABAND 82 02
537	10.49	0.113	0.36	0.89	43	934	43	10 694	1 325.9	1951	79 12 - GPP
16	4.00	0.210	0.35	0.95	21	975	30	8 887	936.6	1980	81 01 - ABAND 89 08
16	4.20	0.200	0.35	0.95	25	990	33	8 334	967.7	1980	81 04
283					17	887	34	10 750	921.7	1971	88 04
16	1.10	0.190	0.34	0.96							
267	5.84	0.270	0.27	0.96							
122	1.31	0.150	0.51	0.96	18	886	34	10 328	906.6	1983	92 07 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
GRAND FORKS 011-13W4 (CONTINUED)								
LOWER MANNVILLE D TOTAL	15 810.0			1 879.0	4 371.0	6 250.0	5 529.4	720.6
PRIMARY AREA	198.0	0.10		19.8		19.8		
WATER FLOOD AREA	15 610.0	<0.12	0.28	1 859.0	4 371.0	6 230.0		
LOWER MANNVILLE H WATER FLOOD	524.0	0.30	0.05	157.0	26.2	183.0	156.7	26.3
LOWER MANNVILLE X	148.0	0.05		7.4		7.4	1.8	5.6
LOWER MANNVILLE Y	80.2	<0.05		3.3		3.3	3.3	
LOWER MANNVILLE CC	24.6	0.10		2.5		2.5	0.6	1.9
LOWER MANNVILLE EE	35.6	<0.03		1.0		1.0	1.0	
LOWER MANNVILLE NN	45.1	<0.02		0.7		0.7	0.7	
LOWER MANNVILLE OO	56.9	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE RR	198.0	0.05		9.9		9.9	2.2	7.7
LOWER MANNVILLE SS	56.6	0.10		5.7		5.7	2.0	3.7
LOWER MANN K & V WATER FLOOD	4 497.0	0.15	0.34	675.0	1 570.0	2 245.0	2 012.2	232.8
LOWER MANNVILLE M&N	1 055.0	0.15		158.0		158.0	112.0	46.0
SAWTOOTH A	1 013.0	0.20		203.0		203.0	162.9	40.1
SAWTOOTH B	580.0	0.10		58.0		58.0	32.6	25.4
SAWTOOTH C	435.0	0.15		65.3		65.3	40.8	24.5
SAWTOOTH D	1 727.0	0.30		518.0		518.0	305.8	212.2
SAWTOOTH E	21.9	0.10		2.2		2.2	1.7	0.5
SAWTOOTH F	123.0	0.20		24.6		24.6	16.3	8.3
SAWTOOTH G	33.6	0.10		3.4		3.4	1.9	1.5
SAWTOOTH H	71.3	<0.10		7.0		7.0	7.0	
SAWTOOTH I	691.0	0.10		69.1		69.1	67.2	1.9
SAWTOOTH J	448.0	0.25		112.0		112.0	51.8	60.2
SAWTOOTH K	32.4	<0.01		0.3		0.3	0.3	
SAWTOOTH L	1 940.0	0.40		776.0		776.0	500.9	275.1
SAWTOOTH N	1 670.0	0.25		418.0		418.0	343.3	74.7
SAWTOOTH O	4 429.0	0.35		1 550.0		1 550.0	1 250.5	299.5
SAWTOOTH Q	1 654.0	0.15		248.0		248.0	164.5	83.5
SAWTOOTH S	1 400.0	0.35		490.0		490.0	417.0	73.0
SAWTOOTH T	2 150.0	0.30		645.0		645.0	575.5	69.5
SAWTOOTH U	463.0	0.15		69.5		69.5	60.8	8.7
SAWTOOTH V	691.0	0.20		138.0		138.0	72.4	65.6
SAWTOOTH W	590.0	0.20		118.0		118.0	87.2	30.8
SAWTOOTH X	285.0	0.15		42.8		42.8	16.9	25.9
SAWTOOTH Y	211.0	0.10		21.1		21.1	18.9	2.2
SAWTOOTH Z	61.3	<0.03		1.5		1.5	1.5	
SAWTOOTH AA	56.6	0.10		5.7		5.7	1.5	4.2
SAWTOOTH CC	172.0	0.30		51.6		51.6	33.4	18.2
SAWTOOTH EE	314.0	0.25		78.5		78.5	37.8	40.7
SAWTOOTH FF	31.3	<0.01		0.1		0.1	0.1	
SAWTOOTH II	1 173.0	0.20		235.0		235.0	122.7	112.3
SAWTOOTH JJ	220.0	<0.01		1.0		1.0	1.0	
SAWTOOTH KK	283.0	0.10		28.3		28.3	17.5	10.8
SAWTOOTH LL	676.0	0.15		101.0		101.0	98.5	2.5
SAWTOOTH MM TOTAL	4 362.0			1 298.0	858.0	2 156.0	1 851.5	304.5
PRIMARY AREA	72.3	0.15		10.8		10.8		
WATER FLOOD AREA	4 290.0	0.30	0.20	1 287.0	858.0	2 145.0		
SAWTOOTH NN TOTAL	843.0			259.0	41.7	301.0	248.0	53.0
PRIMARY AREA	148.0	0.34		50.3		50.3		
WATER FLOOD AREA	695.0	0.30	0.06	209.0	41.7	251.0		
SAWTOOTH OO TOTAL	2 692.0			424.0	729.0	1 153.0	988.6	164.4
PRIMARY AREA	400.0	0.20		80.0		80.0		
WATER FLOOD AREA	2 292.0	0.15	0.31	344.0	729.0	1 073.0		
SAWTOOTH PP	300.0	0.05		15.0		15.0	7.5	7.5
SAWTOOTH QQ	32.0	0.10		3.2		3.2	1.7	1.5
SAWTOOTH RR	196.0	0.03		5.9		5.9	1.9	4.0
SAWTOOTH SS	2 048.0	0.30		614.0		614.0	492.2	121.8
SAWTOOTH VV	761.0	0.35		266.0		266.0	179.1	86.9
SAWTOOTH WW TOTAL	3 812.0			729.0	1 444.0	2 173.0	1 691.1	481.9
PRIMARY AREA	202.0	<0.04		6.9		6.9		
WATER FLOOD AREA	3 610.0	0.20	0.40	722.0	1 444.0	2 166.0		
SAWTOOTH XX	54.7	<0.01		0.1		0.1	0.1	
SAWTOOTH ZZ	534.0	0.30		160.0		160.0	101.7	58.3
SAWTOOTH AAA	197.0	0.10		19.7		19.7	2.0	17.7
SAWTOOTH BBB	34.7	0.15		5.2		5.2	0.2	5.0
SAWTOOTH CCC	688.0	0.15		103.0		103.0	59.8	43.2
SAWTOOTH DDD	245.0	0.20		49.0		49.0	46.3	2.7

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
897					30	881	31	10 620	907.7	1968	92 05 - GPP
32	5.00	0.230	0.44	0.96							
865	9.92	0.250	0.25	0.97							
86	3.17	0.260	0.23	0.96	21	934	32	10 620	952.2	1971	84 09 - GPP
16	5.20	0.240	0.23	0.96	16	933	33	10 284	901.0	1981	82 12
32	1.23	0.300	0.30	0.97	9	952	34	10 518	929.7	1972	77 12 - ABAND 91 05
32	1.50	0.120	0.55	0.95	18	888	34	8 518	912.4	1981	82 12
32	1.20	0.150	0.35	0.95	16	886	31	10 507	867.8	1982	88 12
32	1.70	0.150	0.43	0.97	11	904	28	11 672	869.4	1984	89 12 - ABAND 90 11
32	2.00	0.180	0.48	0.95	16	887	31	9 142	876.0	1988	88 08 - ABAND 88 09
32	5.00	0.210	0.38	0.95	14	905	34	9 993	922.0	1988	89 03 - GPP
32	1.80	0.190	0.45	0.94	25	886	33	8 629	917.9	1991	91 12 - GPP
384	5.87	0.250	0.16	0.95	18	892	32	11 301	908.9	1973	85 09 - GPP
102	6.43	0.242	0.30	0.95	21	921	33	10 791	898.9	1973	92 12 - GPP
202	3.99	0.210	0.37	0.95	18	892	42	10 688	884.2	1965	88 12 - GPP
220	2.53	0.180	0.39	0.95	18	909	42	10 760	934.7	1978	86 05 - GPP
48	5.70	0.250	0.33	0.95	20	922	30	10 370	897.5	1980	89 12 - GPP
250	6.20	0.230	0.49	0.95	20	912	31	10 531	938.3	1980	88 12 - GPP
16	1.00	0.240	0.40	0.95	17	935	39	10 819	951.0	1981	86 12 - GPP
89	1.72	0.160	0.47	0.95	18	903	42	10 846	912.4	1979	91 08 - GPP
32	0.90	0.150	0.18	0.95	18	931	42	10 561	933.2	1980	83 12 - GPP
64	1.00	0.170	0.31	0.95	20	904	37	10 563	953.5	1978	88 12 - ABAND 91 11
128	3.20	0.240	0.26	0.95	18	892	42	10 124	900.6	1958	85 12 - GPP
138	2.54	0.240	0.44	0.95	19	891	32	10 595	895.4	1979	89 10 - GPP
16	2.81	0.217	0.65	0.95	20	900	33	10 268	932.9	1983	89 12
300	5.34	0.230	0.44	0.94	22	910	32	5 200	864.8	1978	90 11 - GPP
107	9.43	0.260	0.33	0.95	18	907	34	10 460	918.3	1984	88 11 - GPP
600	5.63	0.230	0.40	0.95	21	887	33	10 860	909.1	1966	91 07 - GPP
260	4.00	0.270	0.38	0.95	16	921	31	10 472	936.4	1975	91 11 - GPP
222	4.29	0.230	0.32	0.94	21	886	33	10 600	813.8	1965	91 12 - GPP
219	5.98	0.240	0.28	0.95	21	886	33	10 300	880.5	1979	86 12 - GPP
140	2.68	0.250	0.48	0.95	15	905	34	10 172	901.2	1973	90 10 - GPP
107	4.25	0.250	0.36	0.95	15	905	34	10 260	923.2	1953	92 02 - GPP
80	5.41	0.230	0.37	0.94	25	910	32	10 515	868.9	1980	87 12 - GPP
32	7.80	0.240	0.50	0.95	20	920	30	10 222	915.3	1985	86 02 - GPP
32	4.20	0.220	0.25	0.95	14	900	34	10 086	907.0	1985	86 03 - GPP
32	2.10	0.190	0.50	0.96	16	906	47	10 269	938.4	1985	91 12 - ABAND 91 10
64	1.21	0.160	0.52	0.95	20	911	30	10 090	940.7	1985	89 05 - GPP
48	2.50	0.275	0.45	0.95	15	905	34	10 129	906.3	1985	91 12 - GPP
48	5.54	0.230	0.46	0.95	19	899	33	10 086	929.6	1986	91 12 - GPP
16	1.22	0.260	0.35	0.95	19	887	34	10 410	943.1	1974	83 12 - ABAND 91 06
48	14.70	0.250	0.30	0.95	18	904	33	9 761	912.1	1986	89 06 - GPP
64	4.90	0.180	0.59	0.95	15	922	34	9 445	900.1	1986	92 10
108	2.32	0.200	0.40	0.94	24	911	30	10 805	914.1	1965	88 05 - GPP
57	7.47	0.260	0.35	0.94	20	904	32	10 790	902.8	1965	80 12 - GPP
1 125					18	887	3	10 780	917.7	1957	91 03 - GPP
16	2.80	0.280	0.40	0.96							
1 109	2.27	0.250	0.29	0.96							
104					40	946	32	10 650	908.9	1971	90 02 - GPP
24	4.25	0.240	0.37	0.96							
80	5.99	0.240	0.37	0.96							
598					21	887	33	10 760	933.6	1971	90 08
90	2.37	0.260	0.25	0.96							- GPP
508	2.41	0.260	0.25	0.96							
32	6.10	0.270	0.40	0.95	19	887	83	10 310	897.3	1973	85 12 - GPP
16	1.29	0.180	0.12	0.98	10	946	21	10 449	948.7	1978	90 12 - GPP
64	2.08	0.250	0.33	0.88	50	921	34	10 834	963.3	1964	82 09
256	4.90	0.250	0.29	0.92	64	941	21	10 515	955.3	1953	88 12 - GPP
112	5.10	0.230	0.39	0.95	18	892	42	10 583	894.5	1979	91 12 - GPP
723					31	885	32	10 665	926.9	1983	92 12 - GPP
32	4.40	0.280	0.45	0.93							
691	3.27	0.260	0.36	0.96							
32	3.00	0.200	0.70	0.95	16	886	31	10 257	858.0	1983	83 11 - ABAND 89 03
75	5.79	0.200	0.36	0.96	22	895	32	10 424	910.3	1984	92 12 - GPP
64	4.40	0.210	0.65	0.95	27	891	34	10 842	920.3	1987	37 10 - GPP
16	1.70	0.210	0.36	0.95	14	906	34	9 550	910.9	1987	87 12 - GPP
117	3.90	0.260	0.39	0.95	14	899	34	10 265	905.1	1987	91 02 - GPP
48	4.23	0.209	0.38	0.93	31	887	32	10 256	927.7	1985	88 03 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
GRAND FORKS 011-13W4 (CONTINUED)								
SAWTOOTH EEE	332.0	0.10		33.2		33.2	20.8	12.4
SAWTOOTH FFF	43.8	<0.01		0.4		0.4	0.4	
SAWTOOTH HHH	240.0	0.10		24.0		24.0	12.4	11.6
SAWTOOTH III	392.0	0.10		39.2		39.2	5.5	33.7
SAWTOOTH LLL	276.0	0.10		27.6		27.6	12.1	15.5
SAWTOOTH MMM	115.0	0.10		11.5		11.5	0.2	11.3
SAWTOOTH NNN	145.0	0.10		14.5		14.5	6.5	8.0
SAWTOOTH PPP	423.0	0.25		106.0		106.0	60.6	45.4
SAWTOOTH QQQ	124.0	0.25		31.0		31.0	18.1	12.9
SAWTOOTH RRR	157.0	<0.01		0.3		0.3	0.3	
SAWTOOTH SSS TOTAL	418.0			159.0	5.2	164.0	131.0	33.0
PRIMARY AREA	158.0	0.38		60.0		60.0		
WATER FLOOD AREA	260.0	0.38	0.02	98.8	5.2	104.0		
SAWTOOTH TTT	185.0	0.20		37.0		37.0	13.9	23.1
SAWTOOTH UUU	28.6	<0.01		0.1		0.1	0.1	
SAWTOOTH VVV	141.0	<0.01		0.1		0.1	0.1	
SAWTOOTH WWW	108.0	0.10		10.8		10.8	2.1	8.7
SAWTOOTH YYY	20.4	<0.03		0.6		0.6	0.6	
SAWTOOTH ZZZ	95.1	0.15		14.3		14.3	6.2	8.1
SAWTOOTH A2A	111.0	0.10		11.1		11.1	5.5	5.6
SAWTOOTH B2B	230.0	0.20		46.0		46.0	19.7	26.3
SAWTOOTH C2C	374.0	0.30		112.0		112.0	43.0	69.0
SAWTOOTH D2D	350.0	0.15		52.5		52.5	3.3	49.2
SAWTOOTH E2E	218.0	0.30		65.4		65.4	5.9	59.5
SAWTOOTH F2F	253.0	0.20		50.6		50.6	22.7	27.9
SAWTOOTH G2G	88.0	0.15		13.2		13.2	0.8	12.4
SAWTOOTH I2I	469.0	0.20		93.8		93.8	17.9	75.9
SAWTOOTH J2J	225.0	0.15		33.8		33.8	1.7	32.1
ARCS A	196.0	<0.01		0.1		0.1		0.1
FIELD TOTAL	71 818.7			14 389.5	9 842.1	24 231.5	19 519.7	4 711.8
GREENCOURT 059-09W5								
PEKISKO A & JURASSIC A	2 511.0	0.07		176.0		176.0	125.7	50.3
PEKISKO C	136.0	<0.01		0.5		0.5	0.5	
FIELD TOTAL	2 647.0			176.5		176.5	126.2	50.3
GREENCOURT EAST 059-06W5								
JURASSIC A	88.0	<0.01		0.6		0.6	0.6	
BANFF A	180.0	<0.01		0.3		0.3	0.3	
BANFF B	135.0	<0.01		0.6		0.6	0.6	
FIELD TOTAL *	403.0			1.5		1.5	1.5	
GUNN 055-03W5								
BANFF A	150.0	0.10		15.0		15.0	1.3	13.7
FIELD TOTAL *	150.0			15.0		15.0	1.3	13.7
HAIKY HILL 055-14W4								
VIKING K	36.9	<0.01		0.1		0.1	0.1	
COLONY T	60.8	<0.01		0.1		0.1	0.1	
FIELD TOTAL	97.7			0.2		0.2	0.2	
HARD 103-06W6								
PEKISKO B	245.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	245.0			0.1		0.1	0.1	
HAYS 013-14W4								
LOWER MANNVILLE A	3 604.0	0.16	0.34	577.0	1 225.0	1 802.0	1 622.9	179.1
WATER FLOOD								
LOWER MANNVILLE G	108.0	0.12		13.0		13.0	12.8	0.2
LOWER MANNVILLE H	85.5	<0.01		0.1		0.1		0.1
LOWER MANNVILLE I	49.6	0.12		6.0		6.0	5.3	0.7
LOWER MANNVILLE M	700.0	0.15	0.25	105.0	175.0	280.0	151.0	129.0
WATER FLOOD								

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	3.35	0.270	0.37	0.91	31	887	32	9 597	917.6	1987	88 03 - GPP
16	1.90	0.220	0.31	0.95	16	886	31	9 667	879.1	1987	91 12
16	9.00	0.237	0.26	0.95	18	907	34	9 265	913.0	1988	88 06 - GPP
32	8.95	0.240	0.40	0.95	18	907	34	10 545	930.6	1988	89 05
16	10.50	0.240	0.28	0.95	14	906	34	9 343	918.9	1988	88 08 - GPP
16	5.00	0.240	0.37	0.95	14	906	34	9 285	912.5	1988	88 10 - GPP
16	5.80	0.250	0.34	0.95	14	906	34	10 516	926.1	1988	88 11 - GPP
193	2.22	0.200	0.48	0.95	14	906	34	9 850	926.3	1988	92 05 - GPP
64	2.31	0.180	0.51	0.95	14	906	34	10 063	885.1	1988	89 05 - GPP
32	5.50	0.200	0.53	0.95	14	906	34	9 333	914.8	1989	89 08 - ABAND 91 07
86					40	946	32	11 103	910.8	1976	90 02 - GPP
37	2.86	0.250	0.38	0.96							
49	3.57	0.250	0.38	0.96							
16	7.30	0.250	0.32	0.93	29	965	33	9 333	920.2	1989	90 02 - GPP
32	1.00	0.200	0.53	0.95	14	906	34	9 740	926.9	1989	90 11 - ABAND 90 02
32	4.00	0.200	0.42	0.95	14	905	34	10 677	956.5	1989	91 09 - ABAND 91 07
32	2.51	0.240	0.41	0.95	14	905	34	9 554	939.9	1990	91 03 - GPP
32	0.60	0.200	0.44	0.95	14	905	34	10 525	973.3	1987	92 08 - ABAND 92 06
32	2.43	0.230	0.44	0.95	14	906	34	9 554	940.8	1990	92 02 - GPP
32	3.20	0.220	0.48	0.95	14	906	34	9 245	866.3	1990	91 03
32	4.80	0.250	0.37	0.95	34	891	32	9 185	905.9	1991	91 10 - GPP
80	3.84	0.210	0.39	0.95	14	905	34	9 246	890.4	1991	92 12 - GPP
60	3.05	0.280	0.28	0.95	14	905	34	7 841	956.8	1991	92 11 - GPP
16	8.30	0.240	0.28	0.95	14	905	34	8 203	916.4	1991	91 12 - GPP
39	4.59	0.240	0.38	0.95	14	905	34	7 329	900.0	1991	92 09 - GPP
32	2.80	0.190	0.45	0.94	34	891	32	10 378	882.8	1991	92 03 - GPP
57	4.94	0.240	0.27	0.95	18	892	42	10 543	876.9	1965	92 05 - GPP
32	6.00	0.220	0.44	0.95	14	906	34	7 603	952.8	1990	92 05
32	7.20	0.130	0.22	0.84	69	927	39	12 573	1 266.8	1988	92 09 - ABAND 90 02
540	5.30	0.130	0.25	0.90	49	915	58	11 090	1 456.3	1961	91 12 - GPP
65	3.35	0.090	0.20	0.87	48	898	60	11 200	1 474.2	1968	69 01
32	3.00	0.180	0.40	0.85	46	915	70	10 799	1 247.8	1980	85 12
32	9.30	0.100	0.32	0.89	40	922	50	10 171	1 255.7	1981	84 12 - ABAND 85 06
32	10.78	0.074	0.40	0.88	43	934	51	9 353	1 245.8	1980	84 12 - ABAND 85 06
64	3.50	0.100	0.25	0.89	46	933	43	10 240	1 350.0	1978	80 02 - GPP
32	1.60	0.160	0.50	0.90	41	904	22	4 429	486.0	1976	85 07
16	2.00	0.300	0.36	0.99	10	952	20	3 648	541.0	1982	83 02
16	13.10	0.160	0.23	0.95	50	915	27	2 946	630.7	1980	92 11 - ABAND 90 01
386	4.94	0.280	0.25	0.90	38	865	31	10 363	950.4	1964	92 12 - GPP
64	2.14	0.160	0.44	0.88	21	887	30	10 940	963.2	1978	80 12 - GPP
16	3.50	0.240	0.33	0.95	21	959	32	11 140	997.5	1978	90 12 - ABAND 89 08
32	1.00	0.220	0.20	0.88	37	865	28	12 218	946.0	1980	91 12 - GPP
127	3.16	0.229	0.19	0.94	37	873	31	11 754	953.6	1984	91 04 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
HAYS 013-14W4 (CONTINUED)								
LOWER MANNVILLE O	1 802.0	0.15		270.0		270.0	143.0	127.0
LOWER MANNVILLE P	293.0	0.15		44.0		44.0	17.8	26.2
LOWER MANNVILLE Q	272.0	0.20		54.4		54.4	25.1	29.3
LOWER MANNVILLE S	108.0	0.20		21.6		21.6	15.8	5.8
LOWER MANNVILLE T	223.0	0.10		22.3		22.3	1.1	21.2
LOWER MANNVILLE U	214.0	0.05		10.7		10.7	2.2	8.5
LOWER MANNVILLE V	262.0	0.05		13.1		13.1	0.8	12.3
LOWER MANNVILLE W	89.4	0.15		13.4		13.4	10.2	3.2
SAWTOOTH A	211.0	0.20		42.2		42.2	22.2	20.0
SAWTOOTH B	1 788.0	0.35		626.0		626.0	417.4	208.6
SAWTOOTH C	1 524.0	0.40		610.0		610.0	474.3	135.7
SAWTOOTH D	876.0	0.20		175.0		175.0	129.1	45.9
SAWTOOTH F	500.0	0.40		200.0		200.0	115.1	84.9
SAWTOOTH G	125.0	0.10		12.5		12.5	6.0	6.5
SAWTOOTH I	136.0	<0.01		0.2		0.2	0.2	
SAWTOOTH K	100.0	0.15		15.0		15.0	0.8	14.2
SAWTOOTH M	60.5	0.10		6.1		6.1	0.1	6.0
ARCS D	17.0	<0.01		0.1		0.1	0.1	
ARCS F	590.0	0.05		29.5		29.5	9.1	20.4
ARCS L	413.0	<0.01		1.2		1.2	1.2	
ARCS M	125.0	0.10		12.5		12.5	5.1	7.4
ARCS N	217.0	0.05		10.9		10.9	1.1	9.8
ARCS O	113.0	0.10		11.3		11.3	2.6	8.7
ARCS P	199.0	0.05		10.0		10.0	2.9	7.1
ARCS B & H	308.0	0.10		30.8		30.8	18.9	11.9
ARCS A,C & E	2 522.0	0.05		126.0		126.0	63.1	62.9
FIELD TOTAL	17 635.0			3 069.9	1 400.0	4 469.9	3 277.3	1 192.6
HAYTER 041-01W4								
UPPER MANNVILLE A	90.1	0.07		6.3		6.3	4.7	1.6
COLONY A	111.0	<0.01		0.1		0.1	0.1	
COLONY B	282.0	0.05		14.1		14.1	12.5	1.6
COLONY C	43.9	0.15		6.6		6.6	6.1	0.5
MCLAREN A	122.0	<0.01		0.1		0.1	0.1	
SPARKY A TOTAL	3 742.0			269.0	123.0	392.0	348.3	43.7
PRIMARY AREA	662.0	0.08		53.0		53.0		
WATER FLOOD AREA	3 080.0	0.07	0.04	216.0	123.0	339.0		
SPARKY B	262.0	<0.03		6.1		6.1	6.1	
SPARKY C	162.0	0.05		8.1		8.1	1.8	6.3
SPARKY G	63.0	0.08		5.0		5.0	3.6	1.4
SPARKY H	36.2	<0.01		0.2		0.2	0.2	
SPARKY I	89.3	<0.02		1.2		1.2	1.2	
SPARKY K	34.6	0.05		1.7		1.7	1.4	0.3
SPARKY L	115.0	0.10		11.5		11.5	8.3	3.2
SPARKY M	99.1	0.05		5.0		5.0	2.7	2.3
SPARKY N	115.0	<0.01		0.2		0.2	0.2	
SPARKY O	62.5	<0.01		0.2		0.2	0.2	
SPARKY P	38.4	<0.02		0.5		0.5	0.5	
SPARKY R	29.4	0.01		0.3		0.3	0.3	
SPARKY S	74.6	<0.02		0.9		0.9	0.9	
SPARKY T	102.0	0.05		5.1		5.1	3.0	2.1
SPARKY V	82.6	0.10		8.3		8.3	0.9	7.4
SPARKY W	184.0	0.05		9.2		9.2	4.1	5.1
SPARKY D & E	1 216.0	0.10		122.0		122.0	98.6	23.4
GENERAL PETROLEUM A	218.0	0.10		21.8		21.8	5.7	16.1
GENERAL PETROLEUM B	101.0	0.10		10.1		10.1	0.4	9.7
CUMMINGS A	57.0	<0.02		1.1		1.1	1.1	
CUMMINGS B	295.0	0.10		29.5		29.5	21.0	8.5
CUMMINGS D	152.0	0.05		7.6		7.6	0.7	6.9
DINA A TOTAL	12 280.0			1 108.0	2 204.0	3 312.0	1 801.8	1 510.2
PRIMARY AREA	4 937.0	0.15		741.0		741.0		
WATER FLOOD AREA	7 347.0	0.05	0.30	367.0	2 204.0	2 571.0		
DINA B	45 450.0	0.04		1 818.0		1 818.0	956.7	861.3
DINA D	366.0	0.07		25.6		25.6	21.8	3.8
DINA H	252.0	<0.01		2.4		2.4	2.4	
DINA I	4 727.0	0.20		945.0		945.0	409.8	535.2
DINA L	158.0	<0.01		0.2		0.2	0.2	
DINA N	218.0	0.10		21.8		21.8	0.1	21.7
DINA O	252.0	0.10		25.2		25.2	13.2	12.0
DINA P	134.0	0.05		6.7		6.7	0.5	6.2

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
128	7.64	0.260	0.23	0.92	35	890	31	11 810	944.1	1983	88 03 - GPP
32	4.80	0.280	0.26	0.92	35	860	31	11 850	946.2	1987	89 10 - GPP
32	3.80	0.280	0.15	0.94	37	873	31	10 674	949.4	1986	88 09 - GPP
32	2.35	0.220	0.29	0.92	35	863	31	10 608	944.7	1989	90 05 - GPP
32	6.50	0.220	0.47	0.92	35	863	31	10 803	980.6	1989	90 07 - GPP
32	5.70	0.220	0.42	0.92	35	863	31	10 939	955.1	1985	90 05 - GPP
32	5.30	0.240	0.30	0.92	35	863	31	11 844	959.4	1990	91 03 - GPP
32	2.50	0.170	0.27	0.90	38	865	31	10 691	953.5	1989	91 12 - GPP
97	2.00	0.220	0.48	0.95	20	876	30	10 718	974.5	1985	86 10 - GPP
510	2.86	0.250	0.43	0.86	40	904	38	10 950	975.2	1967	92 06 - GPP
390	2.68	0.270	0.40	0.90	21	898	38	10 912	963.1	1967	92 12 - GPP
160	3.68	0.260	0.35	0.88	60	887	32	10 920	952.0	1969	88 12 - GPP
143	2.04	0.270	0.31	0.92	37	893	58	10 686	952.1	1983	91 12 - GPP
32	2.00	0.290	0.25	0.90	37	894	34	10 641	972.0	1987	87 12 - GPP
64	2.80	0.250	0.65	0.87	53	876	28	10 919	936.6	1988	92 06 - ABAND 91 10
32	1.90	0.260	0.33	0.95	18	860	33	9 632	981.0	1988	90 05 - GPP
32	1.70	0.260	0.55	0.95	18	931	33	10 920	957.3	1990	91 03 - GPP
16	2.70	0.073	0.38	0.87	52	862	35	1 360.4	1987	91 12 - GPP	
64	7.50	0.198	0.31	0.90	40	898	36	11 764	1 347.8	1987	87 01 - GPP
64	7.40	0.110	0.11	0.89	49	883	35	12 642	1 347.7	1989	92 03 - ABAND 91 05
16	5.50	0.190	0.16	0.89	49	883	35	11 792	1 340.4	1989	91 07 - GPP
64	4.00	0.130	0.25	0.87	52	862	35	12 176	1 331.3	1989	90 06 - GPP
32	4.20	0.120	0.21	0.89	49	883	35	12 184	1 332.1	1989	90 09 - GPP
64	3.40	0.138	0.19	0.82	74	895	33	12 454	1 352.7	1985	89 12 - GPP
32	11.13	0.120	0.19	0.89	49	849	35	12 116	1 317.2	1987	92 01 - GPP
273	11.36	0.120	0.23	0.88	43	868	46	12 877	1 328.7	1987	92 11 - GPP
32	2.20	0.220	0.40	0.97	12	930	27	5 191	809.3	1980	91 12 - GPP
16	5.20	0.250	0.45	0.97	14	951	26	4 438	618.0	1980	80 10 - ABAND 87 07
64	2.81	0.260	0.38	0.97	11	972	28	4 832	682.8	1983	84 07 - GPP
16	2.00	0.280	0.50	0.98	8	950	24	4 523	651.0	1982	88 12 - GPP
16	4.50	0.260	0.32	0.96	13	985	31	4 861	685.7	1989	92 10 - GPP
1 256					13	910	29	5 690	795.2	1968	92 12 - GPP
176	2.13	0.280	0.35	0.97							
1 080	1.37	0.290	0.26	0.97							- GPP
65	2.13	0.280	0.30	0.97	15	915	27	5 790	739.4	1971	89 12 - ABAND 91 06
64	1.54	0.260	0.35	0.97	12	921	37	5 760	776.0	1971	73 01 - GPP
16	2.50	0.280	0.42	0.97	12	919	32	5 162	687.5	1979	89 12 - GPP
16	1.60	0.270	0.46	0.97	19	920	23	5 206	717.6	1979	88 12 - ABAND 81 09
32	2.14	0.240	0.44	0.97	12	925	32	5 584	711.7	1980	88 12 - GPP
16	2.00	0.250	0.55	0.96	18	934	26	5 023	672.3	1980	82 03 - GPP
45	1.24	0.290	0.27	0.97	11	911	31	5 790	742.1	1981	89 11 - GPP
16	3.50	0.240	0.24	0.97	11	939	28	5 058	734.3	1979	80 01 - GPP
32	2.40	0.280	0.45	0.97	12	920	27	5 495	737.0	1972	88 12 - ABAND 91 06
16	2.30	0.250	0.30	0.97	12	920	26	5 570	736.7	1983	83 11 - GPP
16	1.50	0.300	0.45	0.97	11	925	28	5 273	718.8	1983	88 12 - ABAND 92 09
16	1.50	0.230	0.45	0.97	11	920	26	5 876	771.1	1983	88 12 - ABAND 92 06
32	1.68	0.270	0.47	0.97	10	920	27	5 778	784.9	1985	91 10 - ABAND 91 07
32	1.80	0.290	0.37	0.97	13	893	27	5 584	724.9	1988	89 02 - GPP
32	1.30	0.310	0.34	0.97	10	913	28	5 566	722.5	1989	90 03 - GPP
64	1.80	0.270	0.39	0.97	13	892	27		718.0	1989	90 03 - GPP
418	1.86	0.260	0.38	0.97	16	930	25	4 000	741.9	1972	88 12 - GPP
85	1.24	0.300	0.29	0.97	13	892	27	5 382	726.2	1989	91 10 - GPP
16	3.00	0.300	0.28	0.97	12	974	29	5 374	743.5	1982	92 03 - GPP
16	2.50	0.210	0.30	0.97	10	911	33	4 713	758.7	1981	82 04 - ABAND 90 10
109	1.81	0.240	0.35	0.96	17	904	29		735.7	1981	89 12 - GPP
32	2.70	0.260	0.29	0.95	11	905	28	5 080	828.7	1989	90 09 - GPP
707					13	921	24	5 190	788.6	1954	92 12 - GPP
308	6.80	0.300	0.19	0.97							
399	8.01	0.300	0.21	0.97							
1 776	10.83	0.290	0.16	0.97	20	965	28	5 500	778.5	1969	92 01 - GPP
32	5.24	0.300	0.25	0.97	9	938	34	5 140	700.5	1979	87 12 - GPP
16	8.40	0.280	0.31	0.97	11	970	30	5 595	771.6	1979	89 12 - GPP
225	7.94	0.310	0.12	0.97	11	960	27	5 063	771.2	1984	92 01 - GPP
16	6.00	0.280	0.37	0.93	15	989	29	4 977	858.3	1985	86 03 - ABAND 86 12
16	6.00	0.320	0.27	0.97	9	935	28	5 187	781.0	1987	88 07 - GPP
16	8.79	0.280	0.34	0.97	9	935	28	5 337	724.6	1987	89 12 - GPP
16	4.00	0.260	0.18	0.98	9	935	28		752.5	1988	88 11 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
HAYTER 041-01W4 (CONTINUED)								
DINA O	6 930.0	0.10		693.0		693.0	162.3	530.7
DINA R	39.9	<0.01		0.3		0.3	0.3	
DINA T	35.2	<0.01		0.1		0.1	0.1	
FIELD TOTAL	78 821.8			5 198.1	2 327.0	7 525.1	3 903.9	3 621.2
HEATHDALE 026-09W4								
GLAUCONITIC B	27.7	0.10		2.8		2.8	2.2	0.6
LOWER MANNVILLE B	151.0	0.05		7.6		7.6	0.1	7.5
DETRITAL A	248.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	426.7			10.5		10.5	2.4	8.1
HECTOR 016-17W4								
UPPER MANNVILLE B	158.0	<0.02		1.9		1.9	1.9	
UPPER MANNVILLE D	313.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	471.0			2.0		2.0	2.0	
HORSEFLY LAKE 008-16W4								
MANNVILLE TOTAL	6 381.0			531.0	680.0	1 211.0	1 188.8	22.2
PRIMARY AREA	721.0	0.07		50.5		50.5		
WATER FLOOD AREA	5 660.0	<0.09	0.12	480.0	680.0	1 160.0		
MANNVILLE B	154.0	0.10		15.4		15.4	13.1	2.3
FIELD TOTAL	6 535.0			546.4	680.0	1 226.4	1 201.9	24.5
ISLAY 050-04W4								
CUMMINGS A	113.0	<0.01		0.1		0.1		0.1
FIELD TOTAL	113.0			0.1		0.1		0.1
JENNER 020-09W4								
UPPER MANNVILLE E	4 909.0			491.0	684.0	1 175.0	932.5	242.5
TOTAL								
PRIMARY AREA	348.0	0.10		34.8		34.8		
WATER FLOOD AREA	4 561.0	0.10	0.15	456.0	684.0	1 140.0		
UPPER MANNVILLE F	4 258.0	0.05		213.0		213.0	181.7	31.3
UPPER MANNVILLE M	239.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE O	7 905.0	0.10		791.0		791.0	572.4	218.6
UPPER MANNVILLE V	267.0	<0.01		2.1		2.1	2.1	
UPPER MANNVILLE X	249.0	<0.02		3.9		3.9	3.9	
UPPER MANNVILLE Z	297.0	0.05		14.9		14.9	0.9	14.0
UPPER MANNVILLE DD	243.0	0.04		9.7		9.7	9.2	0.5
UPPER MANNVILLE HH	163.0	0.10		16.3		16.3	0.4	15.9
UPPER MANNVILLE LL	850.0	0.35		298.0		298.0	132.0	166.0
UPPER MANNVILLE MM	390.0	0.05		19.5		19.5	6.4	13.1
UPPER MANNVILLE NN	42.2	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE QQ	284.0	0.02		5.7		5.7	2.0	3.7
UPPER MANNVILLE WW	47.4	0.10		4.7		4.7	3.0	1.7
UPPER MANNVILLE XX	202.0	0.15		30.3		30.3	0.8	29.5
UPPER MANNVILLE YY	167.0	0.10		16.7		16.7	1.2	15.5
UPPER MANNVILLE BBB	135.0	0.10		13.5		13.5	6.4	7.1
UPPER MANNVILLE DDD	182.0	0.15		27.3		27.3	15.6	11.7
LOWER MANNVILLE A	256.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE C	60.3	0.02		1.2		1.2	1.2	
PEKISKO A	94.8	<0.07		6.1		6.1	6.1	
PEKISKO B	134.0	<0.01		0.3		0.3	0.3	
PEKISKO C	106.0	0.05		5.3		5.3	1.1	4.2
PEKISKO D	124.0	<0.01		0.2		0.2	0.2	
PEKISKO E	50.7	<0.01		0.1		0.1	0.1	
PEKISKO F	174.0	<0.02		3.0		3.0	3.0	
PEKISKO G	234.0	0.20		46.8		46.8	14.4	32.4
PEKISKO H	47.1	<0.03		1.4		1.4	1.4	
PEKISKO I	149.0	0.15		22.4		22.4	2.8	19.6
PEKISKO J	82.2	<0.03		1.7		1.7	1.7	
PEKISKO K	38.1	<0.01		0.1		0.1	0.1	
PEKISKO L	19.2	0.25		4.8		4.8	1.8	3.0
PEKISKO M	196.0	0.10		19.6		19.6	0.4	19.2

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
337	8.50	0.290	0.14	0.97	9	935	28	5 197	782.5	1978	90 12 - GPP
4	5.20	0.260	0.24	0.97	9	935	28	5 548	775.4	1989	89 08 - ABAND 91 01
4	4.50	0.280	0.28	0.97	9	935	28	5 229	761.8	1991	92 06 - ABAND 92 03
16	1.00	0.280	0.35	0.95	18	949	34	9 501	1 028.0	1982	83 03 - GPP
16	12.00	0.180	0.52	0.91	36	939	35	8 558	1 004.3	1987	88 04
16	10.00	0.250	0.32	0.91	36	940	35	8 548	1 012.3	1988	89 05 - ABAND 89 07
32	8.00	0.140	0.50	0.88	52	913	33	12 108	1 082.2	1982	85 12 - ABAND 89 07
64	6.10	0.150	0.40	0.89	53	890	30	11 641	1 080.9	1988	91 12 - ABAND 90 08
1 200					16	887	33	10 200	961.6	1963	89 12
176	4.31	0.175	0.44	0.97							
1 024	5.50	0.185	0.44	0.97							- GPP
64	2.85	0.160	0.45	0.96	23	900	40	9 533	958.1	1980	86 04 - GPP
16	3.50	0.300	0.30	0.96	17	978	26	6 704	701.3	1980	82 03 - ABAND 83 05
1 275					37	927	33	10 690	989.1	1963	92 11
143	1.93	0.230	0.41	0.93							
1 132	2.01	0.297	0.25	0.90							- GPP
377	6.82	0.260	0.30	0.91	29	952	33	10 410	935.1	1965	89 12 - GPP
32	5.49	0.230	0.35	0.91	35	946	31	10 270	941.2	1971	89 12
562	8.40	0.260	0.30	0.92	37	952	33	10 510	954.3	1952	91 11 - GPP
16	9.90	0.240	0.26	0.95	37	960	35	10 042	937.7	1973	92 08 - ABAND 92 05
24	7.30	0.230	0.35	0.95	38	941	24	10 200	912.7	1984	92 11 - ABAND 92 05
32	5.64	0.270	0.33	0.91	29	959	32	10 170	964.7	1954	89 10 - GPP
32	5.06	0.250	0.34	0.91	29	952	33	10 170	933.9	1965	88 12 - GPP
16	8.30	0.230	0.42	0.92	34	945	32	9 532	954.7	1988	89 12 - GPP
100	5.83	0.240	0.34	0.92	34	945	32	9 157	944.2	1990	92 10 - GPP
32	6.30	0.280	0.25	0.92	34	945	32	9 712	930.4	1989	91 11 - GPP
16	1.50	0.300	0.37	0.93	29	955	32	9 868	925.8	1989	91 02 - ABAND 91 11
32	6.21	0.240	0.36	0.93	29	955	32	9 200	938.2	1990	92 12 - GPP
16	2.30	0.230	0.41	0.95	29	955	23	9 783	950.9	1990	91 12 - GPP
16	7.60	0.270	0.33	0.92	34	922	32	10 426	935.0	1991	91 07 - GPP
16	5.50	0.290	0.29	0.92	34	945	32	10 114	970.0	1991	92 03
16	5.00	0.250	0.29	0.95	20	941	28	10 185	915.0	1991	91 11 - GPP
32	3.07	0.280	0.28	0.92	37	954	33	10 327	952.5	1990	92 06 - GPP
32	4.57	0.240	0.20	0.91	29	940	32	10 790	979.0	1964	67 05 - GPP
16	3.00	0.230	0.40	0.91	42	944	32	10 569	987.5	1981	88 12 - ABAND 84 11
64	3.29	0.100	0.50	0.90	81	946	33	10 890	1 001.6	1963	73 02 - ABAND 72 02
8	23.77	0.112	0.30	0.90	81	946	41	10 620	1 036.6	1966	92 11 - ABAND 69 02
32	6.10	0.120	0.50	0.90	81	946	34	10 760	991.8	1966	68 10 - GPP
16	4.27	0.300	0.35	0.93	29	972	32	10 780	991.2	1971	92 11 - ABAND 77 02
32	5.50	0.080	0.60	0.90	41	943	33	10 695	987.3	1980	82 12
32	10.80	0.100	0.43	0.88	50	950	27	10 767	971.8	1986	92 10 - ABAND 92 08
32	14.40	0.090	0.42	0.97	8	941	39	10 751	981.0	1991	91 07 - GPP
16	2.00	0.230	0.34	0.97	10	928	31	10 389	981.0	1991	92 10 - ABAND 92 08
16	12.90	0.110	0.31	0.95	20	936	32	11 117	981.3	1987	91 10 - GPP
32	5.88	0.100	0.54	0.95	19	935	33	10 479	968.5	1991	92 11 - ABAND 92 08
16	5.70	0.110	0.60	0.95	21	929	30	10 431	984.5	1991	92 12 - ABAND 92 09
16	4.00	0.070	0.55	0.95	19	893	32	10 577	984.0	1991	92 03 - GPP
16	9.30	0.240	0.34	0.83	80	948	31	10 734	980.7	1990	92 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4 5 6			7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
JENNER 020-09W4 (CONTINUED)								
FIELD TOTAL	22 595.0			2 071.8	684.0	2 755.8	1 906.3	849.5
JOHNSON 016-14W4								
GLAUCONITIC B TOTAL	2 051.0			410.0	260.0	670.0	550.8	119.2
PRIMARY AREA	751.0	0.20		150.0		150.0		
WATER FLOOD AREA	1 300.0	0.20	0.20	260.0	260.0	520.0		
GLAUCONITIC C TOTAL	731.0			110.0	137.0	247.0	125.7	121.3
PRIMARY AREA	46.0	0.15		6.9		6.9		
WATER FLOOD AREA	685.0	0.15	0.20	103.0	137.0	240.0		
GLAUCONITIC E	412.0	0.20		82.4		82.4	25.6	56.8
GLAUCONITIC G	15.1	0.10		1.5		1.5	1.5	
FIELD TOTAL *	3 209.1			603.9	397.0	1 000.9	703.6	297.3
KEHO 011-22W4								
BANFF A	46.8	<0.02		0.8		0.8	0.8	
FIELD TOTAL *	46.8			0.8		0.8	0.8	
KILLAM 043-10W4								
COLONY F	140.0	0.05		7.0		7.0	3.9	3.1
LOWER MANNVILLE A	58.1	<0.02		0.7		0.7	0.7	
ELLERSLIE CC	954.0	0.10		95.4		95.4	17.2	78.2
FIELD TOTAL *	1 152.1			103.1		103.1	21.8	81.3
KIRKWALL 027-05W4								
COLONY A	110.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	110.0			0.1		0.1	0.1	
LANFINE 025-05W4								
BANFF A	12.2	<0.02		0.2		0.2	0.2	
FIELD TOTAL	12.2			0.2		0.2	0.2	
LATHOM 020-17W4								
UPPER MANNVILLE A	4 516.0			693.0	1 598.0	2 291.0	2 097.1	193.9
TOTAL								
PRIMARY AREA	312.0	0.20		62.4		62.4		
WATER FLOOD AREA	4 204.0	0.15	0.38	631.0	1 598.0	2 229.0		
UPPER MANNVILLE C	952.0			103.0	272.0	375.0	325.6	49.4
TOTAL								
PRIMARY AREA	153.0	0.10		15.3		15.3		
WATER FLOOD AREA	799.0	0.11	0.34	87.9	272.0	360.0		
UPPER MANNVILLE E	87.8	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE G	115.0	0.10		11.5		11.5	1.4	10.1
UPPER MANNVILLE H	188.0	0.10		18.8		18.8		18.8
UPPER MANNVILLE I	185.0	0.05		9.3		9.3	5.9	3.4
UPPER MANNVILLE J	60.1	0.10		6.0		6.0	0.8	5.2
UPPER MANNVILLE L	54.3	0.10		5.4		5.4	0.1	5.3
UPPER MANNVILLE M	361.0	0.10		36.1		36.1	6.7	29.4
UPPER MANNVILLE N	66.8	0.15		10.0		10.0	5.8	4.2
UPPER MANNVILLE O	46.5	0.10		4.7		4.7	0.2	4.5
UPPER MANNVILLE P	39.0	0.10		3.9		3.9	1.8	2.1
LOWER MANNVILLE A	266.0	0.10		26.6		26.6	16.9	9.7
LOWER MANNVILLE B	71.5	<0.02		0.9		0.9	0.9	
LOWER MANNVILLE C	127.0	<0.01		0.9		0.9	0.9	
LOWER MANNVILLE D	39.9	0.10		4.0		4.0	1.0	3.0
FIELD TOTAL	7 175.9			934.5	1 870.0	2 804.5	2 465.5	339.0
LEAMAN 057-09W5								
PEKISKO A	97.8	<0.06		5.6		5.6	5.6	
PEKISKO B	33.2	<0.01		0.1		0.1	0.1	
PEKISKO C	31.3	<0.01		0.1		0.1	0.1	
FIELD TOTAL *	162.3			5.8		5.8	5.8	
LECKIE 019-17W4								
UPPER MANNVILLE B	429.0	0.08		34.3		34.3	27.2	7.1

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
330					50	891	30	10 855	1 029.5	1982	92 07
155	2.86	0.250	0.23	0.88							
175	4.17	0.250	0.19	0.88							- GPP
118					50	888	31	8 600	1 021.4	1983	90 02
8	3.49	0.234	0.20	0.88							- GPP
110	3.78	0.234	0.20	0.88							
128	2.90	0.180	0.30	0.88	53	893	31	10 733	1 032.1	1983	91 09
16	0.90	0.170	0.30	0.88	56	879	32	9 642	1 025.0	1991	92 07
16	7.20	0.055	0.23	0.96	10	964	51	21 124	1 720.3	1980	81 06 - ABAND 84 10
16	4.20	0.330	0.24	0.83	209	908	26	5 237	702.1	1979	80 11
16	1.93	0.260	0.23	0.94	24	954	36	6 510	873.0	1978	85 12 - ABAND 83 12
228	2.50	0.240	0.25	0.93	21	908	34	6 584	952.2	1984	90 05 - GPP
16	7.00	0.220	0.54	0.97	9	956	35	7 492	888.2	1980	83 05 - ABAND 86 12
8	6.00	0.050	0.42	0.88	37	982	38	9 460	957.8	1987	91 12
490					66	876	35	10 480	1 171.0	1968	92 12
64	3.26	0.220	0.20	0.85							
426	6.31	0.230	0.20	0.85							- GPP
175					62	887	45	10 640	1 141.5	1970	91 12
16	10.00	0.200	0.45	0.87							
159	3.93	0.210	0.30	0.87							- GPP
65	1.22	0.210	0.38	0.85	51	849	40	10 260	1 183.5	1973	74 03
32	2.70	0.220	0.29	0.85	62	875	37	10 480	1 178.6	1990	91 10
64	2.00	0.230	0.25	0.85	66	869	32	9 990	1 218.6	1980	80 12
64	3.90	0.120	0.29	0.87	56	869	36	10 279	1 176.7	1987	90 07 - GPP
64	1.00	0.180	0.40	0.87	56	869	37	9 605	1 197.5	1983	88 08
16	4.30	0.160	0.42	0.85	62	875	37	10 082	1 182.9	1990	91 09 - GPP
64	3.40	0.260	0.25	0.85	62	875	37	9 127	1 181.7	1990	92 04
16	4.00	0.200	0.40	0.87	56	868	37	11 218	1 154.5	1990	91 10
16	3.80	0.160	0.45	0.87	56	868	37	8 699	1 087.6	1990	91 11
16	2.80	0.200	0.50	0.87	56	868	37	10 441	1 149.8	1991	91 12
128	1.64	0.200	0.28	0.88	41	876	31	10 980	1 185.1	1973	80 07 - GPP
32	3.05	0.160	0.48	0.88	41	876	35	11 000	1 209.4	1973	79 01
16	9.00	0.210	0.50	0.84	76	901	37	11 022	1 250.7	1983	92 11 - ABAND 88 03
16	2.40	0.200	0.41	0.88	48	870	38	10 949	1 193.4	1990	91 11
64	3.10	0.100	0.42	0.85	50	916	71	12 460	1 688.5	1978	79 08 - GPP
16	6.40	0.080	0.55	0.90	37	963	61	12 423	1 650.8	1981	83 10 - ABAND 85 07
16	6.60	0.070	0.53	0.90	37	963	61	12 134	1 615.2	1981	83 10 - ABAND 85 06
87	3.06	0.250	0.25	0.86	64	887	34	10 890	1 134.2	1967	91 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
LECKIE 019-17W4 (CONTINUED)								
UPPER MANNVILLE C	219.0	0.08		17.5		17.5	10.8	6.7
LOWER MANNVILLE A	193.0	<0.01		1.2		1.2	1.2	
FIELD TOTAL	841.0			53.0		53.0	39.2	13.8
LITTLE BOW 015-19W4								
BOW ISL G,UP MANN BB & LOWER MANNVILLE T	494.0	0.10		49.4		49.4	31.2	18.2
UPPER MANNVILLE D	1 531.0			61.2	76.2	137.0	121.8	15.2
TOTAL								
PRIMARY AREA	260.0	0.04		10.4		10.4		
WATER FLOOD AREA	1 271.0	0.04	0.06	50.8	76.2	127.0		
UPPER MANNVILLE F	192.0	0.10		19.2		19.2	4.0	15.2
UPPER MANNVILLE G	1 800.0	0.10	0.15	180.0	270.0	450.0	196.2	253.8
WATER FLOOD								
UPPER MANNVILLE H	74.6	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE I	2 171.0			217.0	170.0	387.0	288.1	98.9
TOTAL								
PRIMARY AREA	471.0	0.10		47.1		47.1		
WATER FLOOD AREA	1 700.0	0.10	0.10	170.0	170.0	340.0		
UPPER MANNVILLE J	210.0	<0.03		5.9		5.9	5.9	
UPPER MANNVILLE L	1 211.0			62.7	40.0	103.0	87.3	15.7
TOTAL								
PRIMARY AREA	211.0	0.06		12.7		12.7		
WATER FLOOD AREA	1 000.0	0.05	0.04	50.0	40.0	90.0		
UPPER MANNVILLE M	147.0	0.10		14.7		14.7	8.5	6.2
UPPER MANNVILLE N	21.2	<0.05		0.9		0.9	0.9	
UPPER MANNVILLE O	146.0	<0.02		2.5		2.5	2.5	
UPPER MANNVILLE P	400.0	0.10		40.0		40.0	37.4	2.6
UPPER MANNVILLE Q	50.4	0.07		3.5		3.5	2.1	1.4
UPPER MANNVILLE R	45.3	<0.04		1.7		1.7	1.7	
UPPER MANNVILLE S	2 400.0	0.03		72.0		72.0	33.7	38.3
UPPER MANNVILLE T	1 200.0	0.10	0.10	120.0	120.0	240.0	153.0	87.0
WATER FLOOD								
UPPER MANNVILLE U	1 984.0			198.0	255.0	453.0	319.0	134.0
TOTAL								
PRIMARY AREA	283.0	0.10		28.3		28.3		
WATER FLOOD AREA	1 701.0	0.10	0.15	170.0	255.0	425.0		
UPPER MANNVILLE V	50.1	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE W	1 679.0	0.10	0.15	168.0	252.0	420.0	239.6	180.4
WATER FLOOD								
UPPER MANNVILLE CC	44.9	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE II	1 223.0	0.10		122.0		122.0	58.2	63.8
UPPER MANNVILLE JJ	25.9	0.10		2.6		2.6	0.4	2.2
UPPER MANNVILLE MM	800.0	0.10	0.10	80.0	80.0	160.0	58.1	101.9
WATER FLOOD								
UPPER MANNVILLE OO	25.3	0.15		3.8		3.8	2.1	1.7
UPPER MANNVILLE PP	602.0	0.10		60.2		60.2	10.6	49.6
LOWER MANNVILLE A	134.0	0.06		8.0		8.0	6.6	1.4
LOWER MANNVILLE E	234.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE H	86.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE I	77.5	0.10		7.8		7.8	7.2	0.6
LOWER MANNVILLE J	278.0	0.04		11.1		11.1	7.8	3.3
LOWER MANNVILLE L	47.7	<0.04		1.9		1.9	1.9	
LOWER MANNVILLE M	40.3	0.10		4.0		4.0	1.8	2.2
LOWER MANNVILLE N	27.4	<0.02		0.4		0.4	0.4	
LOWER MANNVILLE P	23.5	<0.04		0.9		0.9	0.9	
LOWER MANNVILLE U	57.5	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE V	28.4	<0.01		0.2		0.2	0.2	
LIVINGSTONE A	91.7	<0.01		0.1		0.1	0.1	
FIELD TOTAL	19 653.7			1 521.4	1 263.2	2 784.5	1 690.9	1 093.6
LLOYDMINSTER 050-01W4								
COLONY D	188.0	0.05		9.4		9.4	7.3	2.1
COLONY E	68.8	0.10		6.9		6.9	1.4	5.5
COLONY F	300.0	0.05		15.0		15.0	8.8	6.2
COLONY G	113.0	0.07		7.9		7.9	5.7	2.2
COLONY H	48.0	<0.03		1.1		1.1	1.1	
COLONY I	32.0	<0.01		0.1		0.1	0.1	
COLONY J	106.0	0.05		5.3		5.3	4.2	1.1

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
202	0.80	0.206	0.26	0.89	58	900	40	10 561	1 170.8	1987	91 12 - GPP
32	5.18	0.190	0.32	0.90	33	887	44	11 620	1 174.7	1967	68 10 - ABAND 69 10
96	4.27	0.200	0.33	0.90	54	934	33	12 220	1 147.0	1975	84 09
502					66	904	56	12 270	1 184.5	1967	92 02
144	1.56	0.190	0.30	0.87							- GPP
358	3.07	0.190	0.30	0.87							- GPP
64	3.96	0.140	0.40	0.90	44	952	37	12 170	1 127.2	1968	69 03 - GPP
240	4.31	0.230	0.16	0.90	44	946	38	12 130	1 132.3	1970	87 01 - GPP
65	1.22	0.190	0.45	0.90	43	921	38	13 460	1 117.7	1970	74 12 - ABAND 89 10
125					44	927	33	12 250	1 094.3	1974	91 10
10	23.25	0.250	0.10	0.90							- GPP
115	10.66	0.230	0.33	0.90							
130	1.68	0.160	0.33	0.90	44	927	34	11 220	1 106.7	1974	92 10
176					44	927	32	11 790	1 128.0	1974	92 12
64	2.19	0.220	0.24	0.90							- GPP
112	6.10	0.220	0.26	0.90							
64	2.10	0.180	0.30	0.87	57	887	36	12 180	1 221.0	1977	89 12 - ABAND 90 03
16	1.20	0.170	0.28	0.90	44	928	35	12 280	1 154.4	1978	79 04 - ABAND 90 03
32	3.00	0.220	0.23	0.90	55	915	32	11 200	1 095.5	1979	92 10
64	4.47	0.210	0.26	0.90	47	864	32	10 768	1 131.9	1979	85 12 - GPP
32	2.50	0.100	0.30	0.90	68	912	36	12 200	1 159.8	1979	85 10 - GPP
32	1.73	0.130	0.30	0.90	58	922	33	11 852	1 162.8	1979	80 07 - ABAND 89 02
305	5.23	0.220	0.24	0.90	47	937	33	11 889	1 075.4	1978	87 08 - GPP
85	9.20	0.240	0.29	0.90	44	927	33	12 372	1 117.2	1975	85 06 - GPP
156					49	947	31	11 263	1 128.0	1982	92 07
16	8.80	0.260	0.12	0.88							- GPP
140	6.90	0.230	0.13	0.88							- GPP
16	3.60	0.190	0.48	0.88	56	928	34	11 242	1 074.5	1982	83 03 - ABAND 85 10
149	7.53	0.210	0.19	0.88	49	947	32	11 827	1 127.1	1983	91 07 - GPP
16	2.00	0.240	0.35	0.90	47	946	32	11 915	1 169.3	1982	84 02 - ABAND 86 10
300	3.13	0.200	0.26	0.88	57	898	34	12 733	1 196.4	1987	88 07
16	1.50	0.200	0.40	0.90	47	947	32	9 917	1 109.4	1967	88 08
219	2.36	0.220	0.20	0.88	56	928	34	11 103	1 117.9	1972	92 03 - GPP
32	1.00	0.160	0.45	0.90	47	946	32	12 506	1 202.4	1990	91 12 - GPP
16	19.00	0.250	0.10	0.88	57	927	34	9 998	1 102.5	1991	91 10
32	5.40	0.160	0.48	0.93	37	951	30	12 240	1 140.6	1967	91 12 - GPP
65	2.13	0.250	0.25	0.90	43	934	41	12 480	1 215.8	1973	77 03
32	2.70	0.170	0.35	0.90	44	940	38	12 410	1 193.9	1976	79 12
16	4.27	0.180	0.30	0.90	46	946	33	11 970	1 114.0	1977	77 12 - GPP
16	9.53	0.230	0.12	0.90	44	965	36	12 820	1 198.2	1977	85 12 - GPP
16	3.00	0.170	0.35	0.90	35	950	35	12 730	1 181.0	1979	88 12 - ABAND 83 11
32	1.00	0.200	0.30	0.90	85	970	31	12 070	1 205.8	1979	85 12 - GPP
32	0.80	0.170	0.30	0.90	46	952	33	12 470	1 165.4	1978	88 12
16	1.60	0.170	0.40	0.90	46	951	31	12 203	1 136.2	1979	88 12 - ABAND 90 07
16	3.80	0.185	0.45	0.93	37	952	30	11 542	1 219.5	1981	83 08 - GPP
16	2.30	0.140	0.40	0.92	37	951	30	12 346	1 175.8	1982	84 02
64	4.00	0.070	0.45	0.93	21	985	42	12 898	1 212.3	1982	83 01 - ABAND 85 05
32	3.26	0.280	0.35	0.99	8	983	25	2 880	547.1	1977	88 12 - GPP
16	2.40	0.290	0.37	0.98	10	961	28	2 970	539.5	1977	92 11
38	2.77	0.320	0.10	0.99	11	975	28	3 060	548.2	1977	80 12 - GPP
16	3.70	0.320	0.40	0.99	9	962	24	3 000	542.3	1978	50 12 - GPP
8	2.10	0.320	0.10	0.99	10	962	28	3 010	540.6	1975	79 12 - ABAND 84 10
8	2.10	0.320	0.40	0.99	10	980	28	3 020	541.9	1977	84 12 - ABAND 90 10
32	2.00	0.280	0.40	0.99	10	981	28	3 345	542.7	1982	85 12 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
LLOYDMINSTER 050-01W4 (CONTINUED)								
COLONY K	40.9	0.05		2.1		2.1	0.9	1.2
COLONY N	61.6	<0.02		1.0		1.0	1.0	
COLONY O	45.7	0.05		2.3		2.3	0.7	1.6
COLONY T	307.0	<0.01		0.6		0.6	0.6	
COLONY V	93.0	0.04		3.7		3.7	2.7	1.0
MCLAREN A	1 605.0	<0.02		25.2		25.2	14.3	10.9
MCLAREN D	231.0	0.03		6.9		6.9	2.5	4.4
WASECA A	141.0	0.05		7.1		7.1	0.5	6.6
SPARKY F	8 040.0	0.04		321.0		321.0	301.6	19.4
SPARKY G	19 500.0	0.05		975.0		975.0	838.1	136.9
SPARKY H	1 800.0	0.05		90.0		90.0	73.7	16.3
SPARKY J	3 180.0	0.04		127.0		127.0	97.0	30.0
SPARKY K	21 220.0	0.06		1 273.0		1 273.0	973.7	299.3
SPARKY L	793.0	<0.02		13.9		13.9	13.9	
SPARKY M	267.0	0.05		13.4		13.4	4.3	9.1
SPARKY N	27.8	<0.03		0.8		0.8	0.8	
SPARKY O	334.0	<0.01		0.9		0.9	0.9	
SPARKY P	651.0	0.02		13.0		13.0	10.3	2.7
SPARKY Q	14 780.0	0.02		296.0		296.0	210.2	85.8
SPARKY S	365.0	0.03		11.0		11.0	5.8	5.2
SPARKY T	183.0	<0.04		5.6		5.6	5.6	
SPARKY U	181.0	<0.02		3.0		3.0	3.0	
SPARKY X	2 042.0	<0.02		30.0		30.0	20.7	9.3
SPARKY EE	549.0	0.04		22.0		22.0	16.3	5.7
SPARKY FF	204.0	0.04		8.2		8.2	0.9	7.3
SPARKY KK	1 612.0	0.05		80.6		80.6	67.2	13.4
SPARKY OO	355.0	<0.01		0.2		0.2	0.2	
SPARKY QQ	46.3	<0.02		0.5		0.5	0.5	
SPARKY RR	124.0	<0.02		1.3		1.3	1.3	
SPARKY SS	201.0	<0.01		0.1		0.1	0.1	
SPARKY UU	105.0	<0.01		0.1		0.1	0.1	
SPARKY WW	263.0	<0.01		0.1		0.1	0.1	
SPARKY XX	760.0	0.07		53.2		53.2	40.6	12.6
SPARKY YY	89.1	<0.01		0.2		0.2	0.2	
SPARKY ZZ	122.0	<0.01		0.5		0.5	0.5	
SPARKY C & GENERAL PETROLEUM A	24 350.0	0.06		1 461.0		1 461.0	1 355.1	105.9
SPARKY & GENERAL PETROLEUM C&D TOT	78 270.0			3 386.0	315.0	3 701.0	3 040.3	660.7
PRIMARY AREA	67 770.0	<0.04		2 861.0		2 861.0		
WATER FLOOD AREA	10 500.0	0.05	0.03	525.0	315.0	840.0		
SPARKY E & GENERAL PETROLEUM F	6 933.0	<0.07		445.0		445.0	353.3	91.7
SPARKY D & GENERAL PETROLEUM B	3 613.0	0.03		108.0		108.0	86.2	21.8
SPARKY I & GENERAL PETROLEUM K	10 300.0	<0.05		416.0		416.0	357.0	59.0
SPARKY VV & GENERAL PETROLEUM I	2 792.0	0.02		55.8		55.8	40.6	15.2
SPARKY TT & GENERAL PETROLEUM AA	681.0	0.02		13.6		13.6	5.9	7.7
SPARKY AAA	520.0	0.04		20.8		20.8	12.5	8.3
SPARKY BBB	359.0	0.03		10.8		10.8	4.6	6.2
SPARKY EEE	126.0	<0.01		0.1		0.1		0.1
SPARKY FFF	93.9	<0.01		0.1		0.1	0.1	
SPARKY GGG	177.0	0.05		8.9		8.9	5.3	3.6
SPARKY HHH	71.0	<0.01		0.2		0.2	0.2	
SPARKY III	149.0	0.08		11.9		11.9	8.4	3.5
SPARKY JJJ	228.0	0.03		6.8		6.8	4.4	2.4
SPARKY KKK	137.0	<0.01		1.0		1.0	1.0	
SPARKY LLL	84.1	<0.05		3.4		3.4	3.4	
SPARKY MMM	60.9	<0.02		1.0		1.0	1.0	
SPARKY NNN	32.9	0.01		0.3		0.3	0.3	
SPARKY OOO	297.0	0.05		14.9		14.9	11.9	3.0
SPARKY PPP	49.4	<0.01		0.1		0.1	0.1	
SPARKY QQQ	71.4	<0.02		1.0		1.0	1.0	
SPARKY SSS	166.0	0.04		6.6		6.6	3.9	2.7
SPARKY TTT	150.0	<0.01		0.6		0.6	0.6	
SPARKY UUU	155.0	0.05		7.8		7.8	2.0	5.8
SPARKY WWW	73.2	<0.02		1.4		1.4	1.4	
SPARKY YYY	149.0	<0.01		0.1		0.1	0.1	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
4	4.30	0.320	0.25	0.99	10	970	22	3 447	591.7	1979	84 04 - GPP
8	4.90	0.270	0.40	0.97	12	988	25	3 050	545.8	1980	88 12 - ABAND 88 09
4	5.50	0.300	0.30	0.99	10	985	28	3 050	573.0	1983	84 08 - GPP
16	7.30	0.320	0.17	0.99	12	977	25	3 234	495.6	1985	86 05 - ABAND 86 11
16	2.50	0.320	0.25	0.97	13	949	26	2 880	564.9	1984	84 03
300	2.60	0.300	0.30	0.98	12	965	24	3 953	559.0	1983	92 12 - GPP
16	7.00	0.310	0.32	0.98	7	945	30	3 795	568.5	1985	85 05 - GPP
16	3.70	0.300	0.20	0.99	9	983	27	4 050	531.7	1982	82 08 - GPP
712	3.96	0.320	0.10	0.99	10	959	22	4 010	588.3	1947	77 12 - GPP
1 631	5.44	0.300	0.26	0.99	10	959	22	4 070	599.8	1963	85 12 - GPP
232	2.72	0.320	0.10	0.99	10	959	22	3 830	544.7	1961	85 12 - GPP
339	3.29	0.320	0.10	0.99	10	959	22	3 990	576.7	1956	76 12 - GPP
2 397	3.45	0.320	0.19	0.99	10	959	22	3 920	579.0	1947	89 12 - GPP
93	2.99	0.320	0.10	0.99	10	959	22	3 920	574.9	1946	86 07 - ABAND 87 06
32	2.93	0.320	0.10	0.99	10	959	22	4 030	595.0	1945	85 06 - GPP
16	0.61	0.320	0.10	0.99	10	959	22	4 060	598.6	1944	71 06 - ABAND 54 10
32	3.66	0.320	0.10	0.99	10	959	22	4 010	582.8	1939	71 06 - ABAND 56 06
64	3.78	0.320	0.15	0.99	15	980	22	4 050	590.1	1964	87 12 - GPP
1 160	4.47	0.320	0.10	0.99	10	959	22	4 020	577.8	1944	89 11 - GPP
32	4.00	0.320	0.10	0.99	10	959	22	4 090	600.8	1965	75 07 - GPP
32	2.01	0.320	0.10	0.99	10	959	22	4 020	577.9	1952	71 06 - ABAND 65 10
16	3.96	0.320	0.10	0.99	10	959	22	4 060	577.3	1948	71 06 - ABAND 55 01
152	5.85	0.290	0.20	0.99	6	959	22	4 840	580.0	1974	92 12 - GPP
80	3.04	0.300	0.24	0.99	10	986	22	3 480	569.5	1977	91 12 - GPP
16	5.30	0.300	0.19	0.99	12	979	21	3 380	576.0	1977	91 07 - GPP
187	3.72	0.300	0.22	0.99	12	977	24	3 500	565.8	1978	86 11 - GPP
16	8.50	0.310	0.15	0.99	9	959	23	3 630	616.3	1978	79 02
16	1.50	0.300	0.35	0.99	9	985	27	4 070	594.3	1978	83 12
16	3.30	0.300	0.21	0.99	9	972	23	3 960	572.9	1978	84 12 - ABAND 91 10
16	5.50	0.320	0.28	0.99	9	985	27	4 000	592.8	1978	79 05 - ABAND 84 07
16	2.90	0.300	0.24	0.99	9	979	27	4 240	627.1	1978	84 12 - ABAND 86 09
16	6.10	0.320	0.14	0.98	10	961	24	3 314	548.7	1978	82 12 - ABAND 85 10
108	3.20	0.280	0.19	0.97	10	982	24	3 977	563.6	1978	89 12 - GPP
16	3.00	0.280	0.33	0.99	9	982	25	3 888	528.5	1980	83 12 - ABAND 86 06
16	3.80	0.270	0.25	0.99	8	975	25	4 840	619.7	1980	81 07 - ABAND 85 10
2 162	3.95	0.320	0.10	0.99	10	959	22	4 020	588.0	1948	82 12 - GPP
7 635					10	959	22	4 020	599.5	1943	91 12 - GPP
6 890	3.45	0.320	0.10	0.99							
745	4.94	0.320	0.10	0.99							
513	4.74	0.320	0.10	0.99	10	959	22	3 970	563.6	1951	79 06 - GPP
320	3.96	0.320	0.10	0.99	10	959	22	3 970	573.0	1952	75 07 - GPP
862	4.19	0.320	0.10	0.99	10	959	22	3 990	583.7	1943	79 07 - GPP
198	5.72	0.300	0.17	0.99	10	980	22	4 010	588.5	1944	90 06 - GPP
100	3.25	0.300	0.28	0.97	10	975	22	2 640	568.9	1978	92 12
64	4.10	0.290	0.31	0.99	9	986	25	4 850	606.2	1980	84 12 - GPP
48	3.16	0.310	0.23	0.99	10	958	28	3 949	561.5	1980	91 03 - GPP
16	3.80	0.280	0.25	0.99	9	985	27	4 062	594.6	1981	82 08 - ABAND 83 05
16	2.50	0.300	0.21	0.99	9	988	27	4 103	598.3	1981	83 11
16	4.50	0.310	0.20	0.99	9	959	28	4 093	597.3	1982	82 11 - GPP
16	2.30	0.300	0.35	0.99	9	971	23	4 070	595.4	1982	83 01
32	2.40	0.280	0.30	0.99	10	962	22	4 027	553.7	1982	89 12
16	7.00	0.300	0.30	0.97	10	975	22	4 060	598.5	1982	85 12 - GPP
8	7.77	0.320	0.29	0.97	10	975	26	4 125	624.9	1979	84 01
12	3.19	0.300	0.26	0.99	10	975	54	3 960	572.5	1978	91 12
4	7.00	0.330	0.32	0.97	10	975	22	4 820	618.0	1979	83 09
16	1.00	0.300	0.30	0.98	8	981	22	4 200	622.3	1983	80 03 - ABAND 84 05
32	3.50	0.330	0.18	0.98	8	941	23	3 771	556.4	1983	85 12 - GPP
16	1.50	0.300	0.30	0.98	8	981	22	4 190	628.3	1983	83 11 - ABAND 90 11
16	2.30	0.280	0.30	0.99	10	990	25	4 060	599.8	1983	92 11 - ABAND 92 08
16	5.00	0.300	0.30	0.99	9	980	27	4 050	592.0	1984	91 12 - GPP
16	4.50	0.300	0.30	0.99	10	990	22	3 920	264.8	1984	84 08 - ABAND 84 03
16	4.50	0.310	0.30	0.99	10	990	22	3 432	565.9	1984	85 07 - GPP
16	2.00	0.330	0.30	0.99	10	985	25	3 980	490.8	1979	89 12
16	4.00	0.300	0.20	0.97	10	970	27	4 090	592.0	1984	89 12

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
LLOYDMINSTER 050-01W4 (CONTINUED)								
SPARKY ZZZ	1 740.0	0.05		87.0		87.0	23.8	63.2
SPARKY A2A	236.0	0.05		11.8		11.8	8.1	3.7
SPARKY B2B	349.0	0.05		17.5		17.5	6.3	11.2
SPARKY C2C	94.7	<0.06		4.9		4.9	4.9	
SPARKY D2D	218.0	0.05		10.9		10.9	0.8	10.1
SPARKY E2E	570.0	0.05		28.5		28.5	14.3	14.2
SPARKY F2F	97.2	0.15		14.6		14.6	14.0	0.6
SPARKY G2G	274.0	<0.03		6.4		6.4	6.4	
SPARKY I2I	104.0	0.03		3.1		3.1	0.1	3.0
SPARKY J2J	90.2	<0.01		0.1		0.1	0.1	
SPARKY B & REX B	12 430.0	<0.06		700.0		700.0	536.2	163.8
GENERAL PETROLEUM E	184.0	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM J	921.0	0.05		46.1		46.1	44.2	1.9
GENERAL PETROLEUM L	46.9	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM M	1 663.0	0.05		83.2		83.2	54.6	28.6
GENERAL PETROLEUM N	1 346.0	0.05		67.3		67.3	27.3	40.0
GENERAL PETROLEUM O	55.6	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM Q	149.0	<0.01		0.7		0.7	0.7	
GENERAL PETROLEUM R	223.0	0.05		11.2		11.2	5.2	6.0
GENERAL PETROLEUM S	83.2	<0.04		2.9		2.9	2.9	
GENERAL PETROLEUM T	106.0	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM U	57.0	0.05		2.9		2.9		2.9
GENERAL PETROLEUM V	175.0	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM W	136.0	<0.01		0.7		0.7	0.7	
GENERAL PETROLEUM X	715.0	0.05		35.8		35.8	4.6	31.2
GENERAL PETROLEUM Y	54.7	0.04		2.2		2.2	0.1	2.1
GENERAL PETROLEUM Z	131.0	0.05		6.6		6.6	0.1	6.5
REX A	706.0	0.03		21.2		21.2	6.2	15.0
LLOYDMINSTER A	176.0	0.03		5.3		5.3	1.8	3.5
LLOYDMINSTER B	98.0	<0.03		2.3		2.3	2.3	
LLOYDMINSTER D	165.0	<0.01		0.4		0.4	0.4	
LLOYDMINSTER E	170.0	<0.01		0.1		0.1	0.1	
LLOYDMINSTER F	175.0	0.02		3.5		3.5	3.4	0.1
LLOYDMINSTER G	179.0	<0.01		0.1		0.1	0.1	
LLOYDMINSTER I	89.6	<0.01		0.5		0.5	0.5	
LLOYDMINSTER K	271.0	0.05		13.6		13.6	1.8	11.8
LLOYDMINSTER M	2 150.0	0.05		108.0		108.0	42.8	65.2
CUMMINGS A	359.0	0.03		10.8		10.8	7.2	3.6
CUMMINGS B	487.0	0.10		48.7		48.7	30.9	17.8
CUMMINGS C	66.1	<0.01		0.5		0.5	0.5	
CUMMINGS D	238.0	0.05		11.9		11.9	2.1	9.8
CUMMINGS E	58.7	<0.01		0.1		0.1	0.1	
CUMMINGS F	169.0	<0.01		0.5		0.5	0.5	
CUMMINGS G	155.0	0.05		7.7		7.7	1.8	5.9
CUMMINGS H	163.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	239 388.9			10 798.6	315.0	11 113.6	8 898.5	2 215.1
MAJEAU 056-04W5								
LOWER MANNVILLE A	39.6	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE B	62.5	<0.03		1.4		1.4	1.4	
LOWER MANNVILLE D	64.7	0.12		7.8		7.8	6.3	1.5
LOWER MANNVILLE F	147.0	0.10		14.7		14.7	1.3	13.4
BANFF B	59.3	<0.03		1.7		1.7	1.7	
BANFF C	36.6	<0.02		0.6		0.6	0.6	
BANFF I	102.0	<0.01		0.5		0.5	0.5	
WABAMUN B	106.0	<0.01		0.4		0.4	0.4	
FIELD TOTAL	617.7			27.4		27.4	12.5	14.9
MANNVILLE 051-09W4								
UPPER MANNVILLE A	826.0	0.03		24.8		24.8	11.3	13.5
UPPER MANNVILLE B	405.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE M	422.0	<0.01		1.3		1.3	1.3	
LOWER MANNVILLE D	151.0	<0.01		0.2		0.2	0.2	
FIELD TOTAL	1 804.0			26.5		26.5	13.0	13.5
MARWAYNE 052-02W4								
SPARKY B	149.0	<0.01		0.4		0.4	0.4	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
160	5.67	0.260	0.24	0.97	12	980	26	4 040	596.1	1974	86 06 - GPP
16	6.20	0.300	0.20	0.99	9	957	41	3 940	557.5	1979	80 03 - GPP
32	4.82	0.300	0.23	0.98	12	980	24	4 060	502.8	1985	88 03 - GPP
16	3.39	0.200	0.10	0.97	9	995	24	3 740	511.1	1965	91 12 - ABAND 90 11
16	5.00	0.320	0.14	0.99	10	985	30	3 850	548.0	1984	89 12 - GPP
32	7.28	0.320	0.22	0.98	10	979	23	3 274	543.4	1985	87 03 - GPP
16	2.13	0.320	0.10	0.99	7	959	23	3 750	512.0	1965	86 03 - GPP
16	7.00	0.330	0.25	0.99	10	986	22	4 724	549.0	1980	92 10 -
16	3.35	0.280	0.30	0.99	10	930	30	3 715	601.5	1974	92 08 - GPP
16	2.70	0.300	0.29	0.98	8	981	22	3 747	605.2	1980	88 10 - ABAND 88 08
747	6.18	0.320	0.15	0.99	10	959	27	3 718	583.2	1966	91 08 - GPP
16	4.27	0.320	0.15	0.99	12	959	21	3 829	602.0	1974	88 12 - ABAND 75 09
96	3.94	0.300	0.18	0.99	10	984	25	3 620	588.4	1975	86 10 - GPP
8	2.74	0.270	0.20	0.99	9	979	27	3 910	588.0	1977	78 05 - ABAND 78 09
294	2.38	0.300	0.20	0.99	8	984	27	3 730	568.7	1977	89 12 - GPP
210	2.84	0.300	0.24	0.99	9	983	27	3 068	580.8	1977	88 12 - GPP
8	4.00	0.270	0.35	0.99	9	972	27	3 882	615.0	1979	79 10 - ABAND 80 05
4	12.70	0.330	0.10	0.99	10	970	27	4 094	607.7	1981	92 11 - ABAND 87 04
16	5.00	0.320	0.12	0.99	9	974	25	3 719	567.5	1981	82 08 - GPP
16	2.50	0.280	0.25	0.99	10	988	25	3 836	641.8	1982	89 12 - ABAND 92 06
16	3.00	0.280	0.20	0.99	9	959	22	3 557	615.2	1983	88 12 - ABAND 84 06
8	3.00	0.300	0.20	0.99	9	983	27	3 840	575.0	1984	84 08 -
16	4.50	0.310	0.20	0.98	6	970	30	3 780	555.3	1984	85 07 - ABAND 85 06
16	3.50	0.310	0.21	0.99	24	930	26	4 705	571.3	1985	85 11 - ABAND 89 03
64	4.35	0.320	0.19	0.99	14	980	26	3 844	562.9	1985	86 10 - GPP
16	1.20	0.320	0.10	0.99	10	959	22	3 929	594.7	1956	90 07 -
16	3.20	0.310	0.16	0.98	8	981	22	3 734	622.8	1988	89 03 -
16	20.00	0.300	0.25	0.98	10	965	25	4 017	600.8	1952	87 09 - GPP
16	4.88	0.285	0.20	0.99	8	979	27	3 790	610.2	1973	82 12 - GPP
8	5.70	0.310	0.30	0.99	10	959	22	3 450	605.0	1974	92 12 - GPP
16	4.20	0.310	0.20	0.99	9	973	27	4 200	605.7	1977	83 12 -
16	4.20	0.320	0.20	0.99	11	990	25	4 220	607.8	1977	83 12 - ABAND 85 10
16	4.60	0.300	0.20	0.99	8	974	27	4 200	605.4	1974	85 07 - GPP
16	7.62	0.270	0.45	0.99	10	990	27	4 930	654.0	1978	79 04 -
16	2.50	0.290	0.22	0.99	22	975	25	4 239	610.0	1983	89 12 -
16	6.70	0.290	0.12	0.99	22	978	25	3 810	602.7	1983	84 08 - GPP
108	7.72	0.310	0.16	0.99	10	983	27	4 295	684.3	1977	85 06 - GPP
32	5.07	0.290	0.23	0.99	10	972	30	4 356	630.9	1977	82 10 - GPP
32	6.30	0.305	0.20	0.99	9	973	27	4 340	632.8	1977	92 11 - GPP
16	2.10	0.280	0.29	0.99	9	980	29	5 250	727.5	1978	79 06 - GPP
16	6.30	0.280	0.15	0.99	9	988	29	4 462	655.2	1982	83 04 - GPP
16	1.90	0.270	0.27	0.98	9	980	29	4 050	697.8	1983	83 11 - ABAND 84 05
16	4.50	0.300	0.21	0.99	90	973	29	3 844	647.8	1979	88 12 -
16	4.30	0.320	0.29	0.99	9	972	27	4 340	632.9	1985	86 07 - GPP
16	4.20	0.310	0.21	0.99	9	972	29	4 700	635.2	1987	87 11 - ABAND 87 10
32	1.40	0.170	0.35	0.80	145	920	32	9 735	1 223.0	1981	84 12 - ABAND 85 07
16	5.00	0.140	0.38	0.90	70	921	58	9 650	1 245.0	1980	88 12 -
32	2.50	0.150	0.35	0.83	66	934	49	9 434	1 249.6	1979	91 12 - GPP
32	4.07	0.172	0.27	0.90	38	921	46	9 548	1 248.2	1980	87 03 -
16	4.27	0.160	0.39	0.89	43	898	44	10 450	1 319.5	1974	92 12 - ABAND 92 12
64	1.30	0.100	0.45	0.80	87	903	32	10 560	1 210.3	1982	83 02 - ABAND 86 02
16	7.20	0.140	0.30	0.90	43	961	43	13 232	1 234.1	1985	92 10 - ABAND 92 08
32	8.50	0.090	0.51	0.88	51	889	47	10 472	1 388.3	1983	87 03 - ABAND 91 02
80	4.88	0.300	0.28	0.98	10	972	33	4 900	626.8	1971	82 12 - GPP
65	2.74	0.310	0.25	0.98	10	979	33	4 830	619.7	1971	72 12 - ABAND 72 05
65	3.05	0.310	0.30	0.98	10	979	21	3 480	586.7	1974	78 01 -
16	3.90	0.320	0.23	0.98	6	990	30	4 377	719.0	1981	82 04 - ABAND 85 08
16	3.50	0.320	0.16	0.99	8	985	25	3 888	522.8	1978	92 10 -

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
MARWAYNE 052-02W4 (CONTINUED) FIELD TOTAL	149.0			0.4		0.4	0.4	
MATZIWIN 023-14W4 PEKISKO A PEKISKO B FIELD TOTAL *	569.0 166.0 735.0	0.20 <0.02		114.0 2.3 116.3		114.0 2.3 116.3	109.7 2.3 112.0	4.3
MEDICINE HAT 012-05W4 GLAUCONITIC C LOWER MANNVILLE A LOWER MANNVILLE C LOWER MANNVILLE I LOWER MANNVILLE K FIELD TOTAL	30 920.0 130.0 127.0 252.0 70.3 31 499.3	0.03 0.15 0.10 0.05 0.10		928.0 19.5 12.7 12.6 7.0 979.8		928.0 19.5 12.7 12.6 7.0 979.8	611.3 14.7 12.4 6.5 2.0 646.9	316.7 4.8 0.3 6.1 5.0 332.9
MEDICINE RIVER 039-03W5 ELKTON-SHUNDA A ELKTON-SHUNDA B FIELD TOTAL *	318.0 1 352.0 1 670.0	<0.04 0.15		12.0 203.0 215.0		12.0 203.0 215.0	12.0 108.7 120.7	94.3
MOONEY 072-07W5 BLUESKY A FIELD TOTAL	1 074.0 1 074.0	0.10		107.0 107.0		107.0 107.0	24.7 24.7	82.3
MORGAN 051-04W4 SPARKY B WAINWRIGHT A LLOYDMINSTER B LLOYDMINSTER D LLOYDMINSTER A & SPARKY A DINA A FIELD TOTAL	109.0 112.0 435.0 465.0 77 670.0 159.0 78 950.0	0.05 0.04 0.03 0.02 0.02		5.5 4.5 13.1 9.3 1 553.0 0.2 1 585.6		5.5 4.5 13.1 9.3 1 553.0 0.2 1 585.6	0.2 2.8 4.0 1.6 1 009.6 0.2 1 018.4	5.3 1.7 9.1 7.7 543.4
NORRIS 053-18W4 UPPER MANNVILLE H GLAUCONITIC A FIELD TOTAL *	166.0 82.1 248.1	0.10 <0.01		16.6 0.6 17.2		16.6 0.6 17.2	8.0 0.6 8.6	8.6
OYEN 029-05W4 BANFF A FIELD TOTAL	14.3 14.3	0.15		2.1 2.1		2.1 2.1	0.2 0.2	1.9
PADDLE RIVER 057-08W5 RUNDLE FIELD TOTAL *	6 040.0 6 040.0	<0.04		203.6 203.6		203.6 203.6	203.6 203.6	
PARADISE 047-02W4 CUMMINGS A FIELD TOTAL	100.0 100.0	<0.01		0.1 0.1		0.1 0.1	0.1 0.1	
PENDANT D'OREILLE 003-08W4 MANNVILLE D MANNVILLE L FIELD TOTAL *	106.0 96.9 202.9	<0.02 <0.01		1.2 0.1 1.3		1.2 0.1 1.3	1.2 1.2	0.1
PLAIN 053-12W4 COLONY E	247.0	<0.03		5.0		5.0	4.1	0.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
287 32	5.52 6.25	0.070 0.132	0.43 0.30	0.90 0.90	53 53	915 892	35 35	9 960 9 860	1 021.1 1 008.6	1962 1960	92 02 - GPP 67 02 - ABAND 71 11
2 576 40 64 112 16	8.66 2.55 2.10 2.75 2.44	0.220 0.230 0.210 0.150 0.230	0.30 0.43 0.50 0.40 0.14	0.90 0.97 0.90 0.91 0.91	45 9 44 37 35	960 960 958 945 979	26 31 27 30 32	10 051 10 000 10 060 10 202 10 516	828.0 887.8 891.0 927.3 1 030.8	1981 1978 1979 1976 1977	87 10 90 12 - GPP 85 12 - GPP 84 11 - GPP 84 09
64 620	7.21 5.77	0.100 0.080	0.18 0.37	0.84 0.75	75 59	915 940	71 70	17 000 18 444	2 248.2 2 291.7	1961 1973	83 12 - GPP 92 12 - GPP
144	4.62	0.247	0.24	0.86	2	953	20	5 745	918.6	1986	88 09 - GPP
16 16 24 16 3 540 16	3.30 4.00 7.71 10.80 8.45 4.50	0.280 0.200 0.300 0.320 0.316 0.300	0.25 0.10 0.20 0.15 0.17 0.25	0.98 0.97 0.98 0.99 0.99 0.98	8 9 10 12 7 10	981 990 980 990 990 980	22 24 25 25 21 25	3 450 3 332 3 325 3 325 3 336 4 003	527.3 556.0 558.9 564.0 559.1 595.1	1983 1965 1983 1984 1962 1983	88 10 - GPP 86 12 - GPP 92 12 85 04 - GPP 92 12 - GPP 84 03 - ABAND 84 07
32 16	2.80 3.10	0.300 0.280	0.30 0.35	0.88 0.91	30 40	918 930	35 29	5 673 5 730	855.2 861.5	1979 1980	92 03 - GPP 81 09 - ABAND 82 03
16	1.00	0.180	0.45	0.90	42	969	32	7 744	902.5	1989	89 12
1 616	6.92	0.075	0.20	0.90	39	959	63	12 310	1 568.5	1956	71 12
16	2.47	0.320	0.20	0.99	9	990	27	5 320	637.7	1977	87 12 - ABAND 89 03
16 32	6.40 3.60	0.210 0.180	0.40 0.43	0.82 0.82	80 28	910 923	38 33	8 370 7 871	863.8 857.5	1968 1977	75 10 - ABAND 74 10 88 12 - ABAND 86 05
64	2.20	0.280	0.34	0.95	11	927	29	4 910	617.2	1974	89 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PLAIN 053-12W4 (CONTINUED) FIELD TOTAL	247.0			5.0		5.0	4.1	0.9
PRINCESS 020-11W4								
BASAL MANNVILLE E	233.0	<0.02		4.4		4.4	4.4	
BASAL MANNVILLE I	235.0	0.10		23.5		23.5	9.1	14.4
BASAL MANNVILLE O	170.0	0.05		8.5		8.5	1.6	6.9
BASAL MANNVILLE P	1 261.0	0.05		63.1		63.1	52.6	10.5
BASAL MANNVILLE Q	192.0	<0.02		2.8		2.8	2.8	
BASAL MANNVILLE R	248.0	<0.01		1.3		1.3	1.3	
BASAL MANNVILLE U	137.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE V	182.0	0.10		18.2		18.2	8.7	9.5
BASAL MANNVILLE W	80.2	<0.06		4.7		4.7	4.7	
BASAL MANNVILLE X	122.0	<0.01		0.3		0.3	0.3	
PEKISKO A	1 712.0	0.15		257.0		257.0	238.0	19.0
PEKISKO C	55.1	<0.01		0.3		0.3	0.3	
PEKISKO F	65.5	<0.02		0.8		0.8	0.8	
PEKISKO H	28.3	<0.04		0.9		0.9	0.9	
PEKISKO I	71.8	<0.01		0.6		0.6	0.6	
JEFFERSON A	531.0	0.10		53.1		53.1	53.1	
FIELD TOTAL	5 323.9			439.7		439.7	379.4	60.3
PROVOST 036-07W4								
MANNVILLE V	185.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE A	10 100.0	0.03		303.0		303.0	205.0	98.0
UPPER MANNVILLE B	34 200.0	0.04		1 368.0		1 368.0	981.3	386.7
UPPER MANNVILLE C	1 000.0	0.07		70.0		70.0	56.9	13.1
UPPER MANNVILLE E	133.0	0.10		13.3		13.3	9.6	3.7
UPPER MANNVILLE M	250.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE Q	44.2	<0.03		1.3		1.3	1.3	
UPPER MANNVILLE U	39.1	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE V	75.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	33.5	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE BB	17 420.0	0.08		1 394.0		1 394.0	684.0	710.0
UPPER MANNVILLE CC	70.2	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE DD	113.0	0.05		5.7		5.7	2.9	2.8
UPPER MANNVILLE JJ	183.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE KK	112.0	<0.01		0.1		0.1	0.1	0.1
UPPER MANNVILLE LL	44.7	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE VV	33.6	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE XX	53.9	<0.06		3.0		3.0	3.0	
UPPER MANNVILLE YY	164.0	0.10		16.4		16.4	15.8	0.6
UPPER MANNVILLE E2E.	44.4	0.02		0.9		0.9	0.7	0.2
& LOWER MANN FF								
UPPER MANNVILLE OOO	4 871.0	0.10		487.0		487.0	208.5	278.5
& ELLERSLIE S								
UPPER MANNVILLE FFF	226.0	0.25		56.5		56.5	10.0	46.5
UPPER MANNVILLE III	213.0	0.05		10.7		10.7	6.4	4.3
UPPER MANNVILLE KKK	226.0	0.02		4.5		4.5	3.4	1.1
UPPER MANNVILLE LLL	181.0	0.05		9.1		9.1	2.8	6.3
UPPER MANNVILLE MMM	171.0	0.10		17.1		17.1	7.1	10.0
UPPER MANNVILLE NNN	47.8	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE OOO	292.0	0.05		14.6		14.6	2.8	11.8
UPPER MANNVILLE RRR	1 594.0	0.10		159.0		159.0	30.3	128.7
UPPER MANNVILLE SSS	371.0	0.10		37.1		37.1	16.5	20.6
UPPER MANNVILLE TTT	40.0	0.07		2.8		2.8	2.8	
UPPER MANNVILLE UUU	129.0	0.10		12.9		12.9	2.4	10.5
UPPER MANNVILLE YYY	48.8	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE S2S	116.0	<0.02		1.6		1.6	1.6	
UPPER MANNVILLE T2T	125.0	0.05		6.3		6.3	5.1	1.2
UPPER MANNVILLE V2V	39.3	<0.04		1.4		1.4	1.4	
UPPER MANNVILLE W2W	61.6	0.05		3.1		3.1	3.1	
UPPER MANNVILLE X2X	43.7	<0.02		0.8		0.8	0.8	
UPPER MANNVILLE Y2Y	393.0	0.05		19.6		19.6	2.0	17.6
UPPER MANNVILLE Z2Z	536.0	0.05		26.8		26.8	2.5	24.3
UPPER MANNVILLE A3A	135.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE B3B	245.0	0.02		4.9		4.9	2.8	2.1
UPPER MANNVILLE C3C	133.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE F3F	493.0	0.02		9.9		9.9	4.0	5.9
UPPER MANNVILLE W3W	381.0	0.05		19.1		19.1	5.6	13.5
UPPER MANNVILLE X3X	163.0	0.05		8.2		8.2	3.1	5.1

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	3.05	0.200	0.33	0.89	53	915	33	9 960	979.9	1941	92 11 - ABAND 79 09
64	3.26	0.220	0.43	0.90	40	892	32	9 259	993.2	1965	82 11 - GPP
16	8.53	0.220	0.39	0.93	32	940	34	10 380	1 004.6	1972	92 05
195	5.29	0.219	0.38	0.90	46	910	37	9 910	968.7	1972	89 12 - GPP
32	5.56	0.207	0.42	0.90	48	892	33	10 340	1 021.7	1972	92 11 - ABAND 83 12
64	4.03	0.184	0.42	0.90	47	927	33	9 090	964.4	1972	75 12 - ABAND 81 11
32	4.40	0.180	0.40	0.90	42	922	32	10 187	969.7	1982	83 09 - ABAND 88 06
16	11.20	0.190	0.40	0.89	45	928	33	10 393	972.0	1983	91 12 - GPP
32	1.75	0.230	0.30	0.89	47	923	33	10 383	972.6	1983	85 12 - ABAND 90 04
32	4.80	0.170	0.48	0.90	42	918	31	10 310	994.0	1986	86 06 - ABAND 90 02
544	6.01	0.070	0.15	0.88	50	881	31	10 960	1 016.5	1946	81 12 - GPP
16	8.70	0.110	0.60	0.90	44	945	31	10 440	1 025.0	1982	88 12 - ABAND 83 06
32	5.00	0.123	0.63	0.90	43	910	32	10 707	1 017.5	1986	92 09 - ABAND 90 08
32	3.70	0.070	0.64	0.95	19	929	34	9 345	1 025.9	1991	92 11 - ABAND 92 09
16	15.00	0.090	0.65	0.95	16	914	41	9 361	1 036.5	1991	92 08 - ABAND 92 01
					45	892	38	11 070	1 017.1	1944	67 01 - ABAND 69 09
16	4.78	0.300	0.15	0.95	20	934	30	5 750	787.9	1977	83 12
1 048	4.14	0.300	0.20	0.97	12	965	27	5 900	779.5	1969	81 12 - GPP
1 233	12.71	0.300	0.25	0.97	11	979	24	5 450	744.3	1952	92 12 - GPP
112	4.38	0.300	0.30	0.97	16	921	26	5 790	779.7	1973	89 12 - GPP
32	3.06	0.253	0.42	0.92	23	915	32	6 140	817.8	1977	91 12 - GPP
16	6.55	0.300	0.18	0.97	14	972	27	6 170	822.7	1978	78 12
16	2.47	0.210	0.45	0.97	9	952	34	8 400	1 040.9	1977	78 10
16	2.10	0.240	0.50	0.97	12	969	30	5 968	915.5	1977	80 11
16	2.30	0.350	0.40	0.97	13	960	30	6 140	801.3	1979	80 12
16	1.60	0.270	0.50	0.97	12	980	27	7 179	788.2	1980	91 04 - ABAND 81 09
937	7.79	0.300	0.18	0.97	10	980	26	5 385	1 023.0	1977	82 04 - GPP
16	2.60	0.290	0.40	0.97	12	990	27	6 131	782.7	1980	81 07 - ABAND 86 01
16	3.70	0.290	0.32	0.97	12	990	27	6 141	788.4	1980	81 07 - GPP
16	6.00	0.280	0.30	0.97	12	980	23	5 367	740.5	1981	81 10
16	3.20	0.300	0.25	0.97	14	980	29	5 900	820.4	1981	83 12 - ABAND 83 11
16	2.00	0.240	0.40	0.97	17	960	26	6 180	933.8	1981	81 10
16	1.70	0.250	0.49	0.97	10	988	29	5 681	772.7	1982	82 09 - ABAND 92 05
32	1.00	0.270	0.35	0.96	16	934	30	5 068	768.5	1981	83 12 - ABAND 88 11
80	1.71	0.230	0.45	0.95	17	945	33	5 635	777.0	1978	88 07 - GPP
16	3.20	0.170	0.40	0.85	24	872	41	7 276	1 156.1	1974	92 12
1 348	2.46	0.240	0.32	0.90	32	892	33	6 634	962.8	1984	92 08
12	12.38	0.230	0.32	0.97	9	957	34	6 644	913.3	1983	91 01 - GPP
64	2.87	0.230	0.48	0.97	11	922	28	5 800	878.9	1983	85 01 - GPP
64	2.50	0.270	0.45	0.95	11	889	31	6 011	789.8	1984	88 12 - GPP
32	4.50	0.240	0.46	0.97	11	904	32	6 623	931.8	1984	85 01 - GPP
32	3.20	0.290	0.40	0.96	15	911	27	6 880	873.4	1984	85 03 - GPP
16	2.00	0.280	0.45	0.97	11	950	32	6 205	759.5	1981	87 12
32	8.00	0.235	0.50	0.97	11	910	32	5 707	833.6	1984	85 04 - GPP
249	3.88	0.270	0.37	0.97	12	990	27	5 405	779.5	1983	92 12 - GPP
12	12.39	0.310	0.17	0.97	10	980	30	5 237	751.0	1984	88 11 - GPP
32	2.00	0.190	0.63	0.89	45	898	34	5 844	799.5	1984	92 10 - ABAND 92 07
32	5.20	0.190	0.54	0.89	45	898	35	5 978	802.3	1984	85 08 - GPP
16	3.00	0.230	0.54	0.96	15	910	30	5 385	778.3	1984	85 10 - ABAND 85 10
16	4.60	0.270	0.40	0.97	15	979	26	5 500	739.3	1981	88 12
16	3.60	0.290	0.23	0.97	15	990	26	5 476	766.8	1980	86 12
16	1.50	0.260	0.35	0.97	15	980	29	5 780	817.0	1981	88 12 - ABAND 89 10
16	2.10	0.270	0.30	0.97	12	965	28	5 642	844.8	1977	89 12 - ABAND 92 06
16	1.80	0.230	0.32	0.97	13	959	28	5 750	885.7	1977	77 06 - ABAND 87 03
200	4.70	0.180	0.73	0.86	55	874	38	6 371	1 150.8	1984	87 04 - GPP
32	12.37	0.230	0.36	0.92	32	916	32	6 744	961.8	1982	89 04
64	1.80	0.200	0.35	0.90	40	860	32	5 788	877.6	1984	85 10 - ABAND 88 06
32	5.50	0.290	0.49	0.94	24	908	24	4 600	754.8	1985	86 04 - GPP
64	2.00	0.250	0.55	0.92	31	820	26	5 656	798.0	1985	86 06 - ABAND 86 11
64	6.90	0.230	0.50	0.97	12	994	27	5 775	805.1	1985	87 12 - GPP
32	6.40	0.280	0.30	0.95	11	905	28	5 375	701.0	1984	88 05 - GPP
16	5.00	0.260	0.19	0.97	13	985	31	5 224	694.4	1987	88 06 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PROVOST 036-07W4 (CONTINUED)								
UPPER MANNVILLE Y3Y	158.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE A4A	13.0	0.10		1.3		1.3	0.6	0.7
UPPER MANNVILLE C4C	457.0	0.10		45.7		45.7	25.3	20.4
UPPER MANNVILLE D4D	285.0	0.05		14.3		14.3	0.4	13.9
UPPER MANNVILLE E4E	66.4	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE L4L	137.0	0.10		13.7		13.7	2.7	11.0
UPPER MANNVILLE X4X	802.0	0.30		241.0		241.0	73.2	167.8
UPPER MANNVILLE U2U & LLOYDMINSTER T	1 020.0	0.10		102.0		102.0	23.5	78.5
UPPER MANNVILLE J5J	57.6	0.10		5.8		5.8	1.6	4.2
UPPER MANNVILLE U5U	201.0	0.10		20.1		20.1	6.3	13.8
UPPER MANNVILLE Y5Y	146.0	0.10		14.6		14.6	1.5	13.1
UPPER MANNVILLE M6M	996.0	0.10		99.6		99.6	16.3	83.3
UPPER MANNVILLE N6N	226.0	0.05		11.3		11.3	0.4	10.9
COLONY A	81.9	<0.01		0.5		0.5	0.5	
COLONY B	309.0	<0.01		0.1		0.1	0.1	
COLONY C	69.7	<0.03		1.8		1.8	1.8	
COLONY D	24.3	<0.01		0.2		0.2	0.2	
COLONY F	46.0	0.05		2.3		2.3	1.9	0.4
COLONY G	52.7	<0.01		0.3		0.3	0.3	
COLONY H	374.0	0.05		18.7		18.7	4.5	14.2
SPARKY A	103.0	0.05		5.2		5.2	3.1	2.1
SPARKY B	106.0	0.05		5.3		5.3	1.7	3.6
SPARKY C	47.1	0.10		4.7		4.7	2.2	2.5
SPARKY D	78.1	0.10		7.8		7.8	5.2	2.6
SPARKY E	35.1	0.10		3.5		3.5	2.0	1.5
SPARKY F	58.8	0.05		2.9		2.9	1.6	1.3
GENERAL PETROLEUM A	31.1	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM B	459.0	0.03		13.8		13.8	4.4	9.4
REX A	541.0	0.05		27.1		27.1	11.6	15.5
LLOYDMINSTER A	684.0	<0.02		7.3		7.3	7.3	
LLOYDMINSTER D	1 783.0	0.10		178.0		178.0	64.9	113.1
LLOYDMINSTER G	99.8	<0.01		0.1		0.1	0.1	
LLOYDMINSTER H	120.0	0.10		12.0		12.0	11.8	0.2
LLOYDMINSTER I	60.5	0.05		3.0		3.0	1.1	1.9
LLOYDMINSTER L	95.5	<0.01		0.8		0.8	0.8	
LLOYDMINSTER M	49.9	0.10		5.0		5.0	4.8	0.2
LLOYDMINSTER N	248.0	<0.01		0.5		0.5	0.5	
LLOYDMINSTER O TOTAL	8 910.0			903.0	1 622.0	2 525.0	1 603.9	921.1
PRIMARY AREA	800.0	0.10		80.0		80.0		
WATER FLOOD AREA	8 110.0	<0.11	0.20	823.0	1 622.0	2 445.0		
LLOYDMINSTER P	36.8	0.10		3.7		3.7	2.2	1.5
LLOYDMINSTER Q	40.7	0.10		4.1		4.1	0.1	4.0
LLOYDMINSTER R	503.0	0.05		25.2		25.2	10.4	14.8
LLOYDMINSTER U	493.0	0.05		24.6		24.6	11.2	13.4
LLOYDMINSTER W	279.0	0.05		14.0		14.0	6.7	7.3
LLOYDMINSTER AA	1 259.0	0.10		126.0		126.0	61.4	64.6
LLOYDMINSTER CC	85.2	0.10		8.5		8.5	0.6	7.9
LLOYDMINSTER DD	2 574.0			335.0	294.0	629.0	526.3	102.7
TOTAL								
PRIMARY AREA	122.0	0.13		15.9		15.9		
WATER FLOOD AREA	2 452.0	0.13	0.12	319.0	294.0	613.0		
LLOYDMINSTER EE	461.0	0.06		27.7		27.7	23.6	4.1
LLOYDMINSTER GG	116.0	0.05		5.8		5.8	5.1	0.7
LLOYDMINSTER HH	77.6	0.05		3.9		3.9	1.5	2.4
LLOYDMINSTER II	45.6	0.05		2.3		2.3	1.1	1.2
LLOYDMINSTER KK	1 541.0	0.20		308.0		308.0	79.5	228.5
LLOYDMINSTER LL	505.0	0.10		50.5		50.5	21.2	29.3
LLOYDMINSTER MM	475.0	0.05		23.8		23.8	8.6	15.2
LLOYDMINSTER NN	152.0	0.05		7.6		7.6	1.5	6.1
LLOYDMINSTER OO	29.0	0.15		4.4		4.4	3.5	0.9
LLOYDMINSTER PP	74.5	0.10		7.5		7.5	3.9	3.6
LLOYDMINSTER QQ	458.0	0.10		45.8		45.8	6.9	38.9
LLOYDMINSTER TT	31.4	0.20		6.3		6.3	1.4	4.9
CUMMINGS N & LLOYDMINSTER S & X	2 389.0	0.08		191.0		191.0	61.6	129.4
GLAUCONITIC A	9 519.0	0.20		1 904.0		1 904.0	180.8	1 723.2
CUMMINGS A	2 530.0	0.30		759.0		759.0	418.8	340.2
CUMMINGS B	62.7	<0.01		0.1		0.1	0.1	
CUMMINGS C	243.0	<0.01		0.1		0.1	0.1	
CUMMINGS D	14.3	<0.01		0.1		0.1	0.1	

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
16	10.80	0.170	0.44	0.96	13	985	31	7 072	1 045.4	1987	92 03 - ABAND 92 01
16	0.80	0.180	0.41	0.96	13	985	31	7 157	955.9	1988	89 03 - GPP
64	5.90	0.210	0.40	0.96	13	985	31	6 062	900.6	1989	91 12 - GPP
16	7.20	0.290	0.11	0.96	13	985	31	5 170	694.1	1987	89 08
16	2.00	0.270	0.20	0.96	13	985	31	5 188	688.6	1988	89 08 - ABAND 89 05
16	5.40	0.240	0.31	0.96	13	985	31	6 674	958.3	1988	89 11 - GPP
86	5.40	0.240	0.25	0.96	13	985	31		907.1	1989	92 05 - GPP
394	1.91	0.220	0.33	0.92	32	871	32	6 175	946.9	1985	89 10
16	3.10	0.220	0.45	0.96	13	985	31	5 916	913.5	1990	90 10 - GPP
85	1.88	0.220	0.38	0.92	13	985	31	5 961	949.6	1991	91 07 - GPP
32	3.58	0.250	0.44	0.91	33	869	39	6 601	956.3	1991	91 11
590	1.28	0.230	0.37	0.91	34	865	34	6 774	983.9	1991	92 05 - GPP
64	3.40	0.190	0.40	0.91	35	892	32	6 921	1 000.1	1978	91 07 - GPP
16	4.00	0.240	0.45	0.97	12	930	27	4 790	691.5	1982	88 12
16	8.00	0.300	0.17	0.97	12	976	28	5 344	699.0	1983	85 12 - ABAND 86 10
16	3.00	0.290	0.45	0.91	23	932	28	4 890	719.9	1985	92 10
16	1.30	0.250	0.48	0.90	20	960	29	5 192	698.7	1987	88 03 - ABAND 89 05
32	0.90	0.280	0.40	0.95	20	900	29	5 426	742.0	1989	90 04 - GPP
16	2.00	0.300	0.39	0.90	47	948	25	5 140	706.8	1988	90 10 - ABAND 91 08
64	3.20	0.280	0.25	0.87	54	863	26	6 452	821.9	1990	91 05
16	5.00	0.240	0.44	0.96	15	920	27	4 827	727.9	1986	87 08 - GPP
16	4.00	0.250	0.31	0.96	13	985	31	6 012	753.2	1985	89 03 - GPP
16	1.50	0.280	0.27	0.96	13	985	31	6 139	739.6	1988	89 03 - GPP
40	1.20	0.220	0.23	0.96	13	985	31	6 108	757.6	1988	90 12 - GPP
16	1.50	0.250	0.39	0.96	13	985	31	6 255	751.3	1988	89 03 - GPP
16	2.70	0.270	0.44	0.90	37	890	30	6 516	847.7	1988	90 06 - GPP
16	1.40	0.260	0.45	0.97	11	944	28	7 223	772.7	1983	88 01 - ABAND 91 02
32	7.70	0.280	0.30	0.95	18	889	34	5 884	856.2	1988	89 01 - GPP
65	6.65	0.200	0.32	0.92	40	887	35	5 885	794.2	1987	90 03 - GPP
64	7.70	0.220	0.35	0.97	38	905	17	6 205	805.1	1979	82 12 - ABAND 91 04
480	2.62	0.260	0.42	0.94	28	905	30	5 548	787.2	1983	84 12 - GPP
16	3.50	0.330	0.40	0.90	42	964	30	6 165	905.8	1984	84 11 - ABAND 84 09
32	2.00	0.300	0.30	0.90	27	902	28	5 179	791.0	1984	84 11 - GPP
32	1.00	0.300	0.30	0.90	42	902	30	5 094	789.0	1984	84 05
16	3.70	0.280	0.40	0.96	25	937	30	5 568	782.9	1984	85 03 - ABAND 87 11
24	1.10	0.300	0.30	0.90	30	902	29	5 510	780.9	1984	88 12 - GPP
48	3.01	0.300	0.41	0.97	11	970	30	5 598	790.9	1984	92 10
1 238					17	911	28	5 195	800.9	1975	91 12
134	2.42	0.310	0.17	0.96							- GPP
1 104	3.53	0.270	0.18	0.94							- GPP
16	1.20	0.300	0.29	0.90	25	902	26	4 975	759.1	1984	89 12 - GPP
16	1.30	0.320	0.32	0.90	43	900	27	4 967	782.9	1984	86 08
64	4.30	0.290	0.35	0.97	15	880	28	5 538	811.7	1986	86 11 - GPP
40	4.91	0.300	0.12	0.95	11	904	28	4 246	794.0	1987	89 05 - GPP
64	1.99	0.300	0.23	0.95	21	900	28	5 585	778.7	1987	92 05 - GPP
235	3.23	0.280	0.37	0.94	22	905	27	6 157	777.8	1988	89 10 - GPP
16	3.00	0.280	0.34	0.96	10	918	31	6 148	770.0	1988	89 05 - GPP
291					44	931	28	5 480	751.6	1969	92 10 - GPP
22	2.46	0.290	0.20	0.97							
269	4.32	0.290	0.25	0.97							
65	3.66	0.270	0.25	0.96	23	910	24	5 480	741.9	1969	85 12 - GPP
32	2.19	0.280	0.39	0.97	10	908	31	5 291	768.4	1985	92 08 - GPP
16	2.00	0.300	0.14	0.94	22	905	27	5 075	782.0	1987	88 10 - GPP
16	2.20	0.270	0.50	0.96	10	918	31	5 355	801.3	1989	91 01 - GPP
194	3.44	0.300	0.19	0.95	18	905	28	5 577	786.9	1990	92 10 - GPP
32	6.30	0.310	0.14	0.94	22	905	27	5 078	785.5	1990	90 09 - GPP
32	5.50	0.320	0.13	0.97	10	918	31	6 140	794.3	1990	90 12
32	2.00	0.310	0.21	0.97	10	918	31	5 044	781.1	1990	90 12
4	3.30	0.290	0.22	0.97	10	919	31	5 886	751.1	1989	90 12
16	2.00	0.300	0.20	0.97	14	969	26	5 464	770.8	1991	92 02 - GPP
32	6.42	0.300	0.21	0.94	22	905	27	7 057	954.3	1991	92 09
12	1.26	0.330	0.33	0.94	20	893	29		817.7	1989	92 10
325	4.57	0.290	0.41	0.94	15	920	32	5 579	795.3	1985	92 10 - GPP
618	6.58	0.280	0.12	0.95	16	908	34	5 483	919.7	1991	92 11 - GPP
784	2.64	0.210	0.40	0.97	27	876	28	6 130	834.8	1973	92 11 - GPP
64	1.00	0.170	0.40	0.96	18	888	28	7 180	946.2	1979	83 12
16	7.00	0.280	0.20	0.97	11	988	26	5 568	840.5	1982	85 12 - ABAND 92 05
16	0.70	0.240	0.45	0.97	11	931	26	5 895	828.1	1983	84 01 - ABAND 90 10

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PROVOST 036-07W4 (CONTINUED)								
CUMMINGS E	223.0	0.10		22.3		22.3	0.7	21.6
CUMMINGS F	264.0	0.10		26.4		26.4	22.5	3.9
CUMMINGS H	15.5	<0.02		0.3		0.3	0.3	
CUMMINGS I	417.0	0.15		62.6		62.6	45.4	17.2
CUMMINGS J	80.0	0.08		6.4		6.4	4.2	2.2
CUMMINGS L	140.0	0.01		1.4		1.4	1.4	
CUMMINGS M	211.0	0.10		21.1		21.1	20.5	0.6
CUMMINGS O	60.1	0.10		6.0		6.0	3.7	2.3
CUMMINGS P	50.2	0.10		5.0		5.0	3.8	1.2
CUMMINGS S	2 209.0	0.10		221.0		221.0	140.8	80.2
CUMMINGS U	137.0	<0.01		0.1		0.1	0.1	
CUMMINGS V	200.0	0.10		20.0		20.0	12.7	7.3
CUMMINGS W	175.0	0.07		12.3		12.3	8.6	3.7
CUMMINGS Y	1 186.0	0.10		119.0		119.0	65.5	53.5
CUMMINGS Z	22.9	<0.01		0.1		0.1	0.1	
CUMMINGS DD	40.8	0.10		4.1		4.1	0.1	4.0
CUMMINGS EE	159.0	0.20		31.8		31.8	20.5	11.3
CUMMINGS GG	85.0	0.05		4.3		4.3	3.9	0.4
CUMMINGS HH	48.6	0.20		9.7		9.7	7.2	2.5
CUMMINGS JJ	52.9	<0.01		0.1		0.1	0.1	
CUMMINGS LL	41.5	0.10		4.2		4.2	0.9	3.3
CUMMINGS OO	119.0	0.25		29.8		29.8	3.1	26.7
CUMMINGS PP	600.0	0.25		150.0		150.0	105.9	44.1
CUMMINGS QO	223.0	0.30		66.9		66.9	37.1	29.8
CUMMINGS RR	19.2	0.20		3.8		3.8	2.7	1.1
CUMMINGS SS	63.5	0.15		9.5		9.5	4.8	4.7
CUMMINGS TT	196.0	0.10		19.6		19.6	2.5	17.1
CUMMINGS VV	117.0	0.10		11.7		11.7	2.4	9.3
CUMMINGS WW	112.0	<0.03		2.5		2.5	2.5	
CUMMINGS XX	131.0	0.05		6.6		6.6	3.1	3.5
CUMMINGS YY	66.2	0.10		6.6		6.6	1.4	5.2
CUMMINGS ZZ	41.9	0.20		8.4		8.4	5.5	2.9
CUMMINGS BBB	47.5	0.15		7.1		7.1	2.4	4.7
CUMMINGS CCC	172.0	0.20		34.4		34.4	18.7	15.7
CUMMINGS DDD	65.7	0.10		6.6		6.6	0.6	6.0
CUMMINGS EEE	40.6	0.20		8.1		8.1	4.5	3.6
CUMMINGS GGG	15.2	0.30		4.6		4.6	1.3	3.3
CUMMINGS HHH	80.5	0.15		12.1		12.1		12.1
CUMMINGS III	157.0	0.25		39.3		39.3	3.5	35.8
CUMMINGS JJJ	10.5	0.02		0.2		0.2	0.2	
CUMMINGS KKK	117.0	0.10		11.7		11.7	2.3	9.4
CUMMINGS LLL	25.5	<0.01		0.1		0.1	0.1	
CUMMINGS MMM	103.0	0.10		10.3		10.3	0.1	10.2
CUMMINGS NNN	510.0	0.20		102.0		102.0	37.9	64.1
CUMMINGS UU & DINA T2T	223.0	0.05		11.2		11.2	5.4	5.8
CUMMINGS OOO, PPP & DINA E4E	253.0	0.22		55.7		55.7	3.7	52.0
CUMMINGS T & DINA W	1 190.0	0.25		298.0		298.0	245.5	52.5
CUMMINGS NN & DINA CC	340.0	<0.30		100.0		100.0	58.4	41.6
LOWER MANNVILLE A	226.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE C	169.0	0.10		16.9		16.9	11.8	5.1
LOWER MANNVILLE E	34.1	0.10		3.4		3.4	1.7	1.7
LOWER MANNVILLE H	96.0	<0.01		0.9		0.9	0.9	
LOWER MANNVILLE J	90.9	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE L	72.9	0.15		10.9		10.9	8.1	2.8
LOWER MANNVILLE W	430.0	0.02		8.6		8.6	4.5	4.1
LOWER MANNVILLE Z	2 209.0	0.30		663.0		663.0	292.3	370.7
LOWER MANNVILLE AA	134.0	0.15		20.1		20.1	14.2	5.9
LOWER MANNVILLE BB	166.0	0.05		8.3		8.3	6.2	2.1
LOWER MANNVILLE MM	52.1	<0.05		2.4		2.4	2.4	
LOWER MANNVILLE NN	154.0	<0.02		2.5		2.5	2.5	
LOWER MANNVILLE RR	224.0	0.05		11.2		11.2	3.6	7.6
LOWER MANNVILLE TT	39.5	0.25		9.9		9.9	2.4	7.5
LOWER MANNVILLE PP & D-2 B	222.0	0.03		6.7		6.7	0.7	6.0
DINA A	3 498.0	0.30		1 049.0		1 049.0	757.2	291.8
DINA C	7 363.0	0.10		736.0		736.0	667.0	69.0
DINA E	187.0	<0.02		3.3		3.3	3.3	
DINA F	37.3	<0.01		0.3		0.3	0.3	

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
64	2.00	0.300	0.40	0.97	9	865	35	4 959	919.0	1983	84 03
64	2.10	0.270	0.25	0.97	9	875	33	5 468	796.1	1983	84 03
16	1.00	0.200	0.50	0.97	10	988	31	5 026	792.0	1983	92 10
256	0.87	0.280	0.31	0.97	25	910	29	5 366	787.2	1984	87 12 - GPP
32	1.71	0.260	0.42	0.97	12	924	27	5 033	775.2	1984	88 12 - GPP
16	4.00	0.300	0.25	0.97	13	990	27	6 117	827.0	1983	88 12 - ABAND 89 10
64	1.60	0.280	0.20	0.92	28	918	24	4 818	790.4	1984	87 12 - GPP
27	1.53	0.250	0.40	0.97	11	902	27	5 069	800.3	1984	88 12
23	1.50	0.250	0.40	0.97	11	902	28	5 075	764.2	1984	88 12 - GPP
385	2.55	0.290	0.20	0.97	9	953	29	5 812	814.9	1986	91 12 - GPP
32	2.80	0.240	0.33	0.95	11	905	28	4 877	794.7	1987	88 05 - ABAND 88 01
48	2.23	0.260	0.26	0.97	11	905	28	5 488	785.6	1988	89 05 - GPP
64	1.77	0.250	0.35	0.95	11	905	28	7 908	1 027.2	1988	89 12 - GPP
434	1.40	0.260	0.21	0.95	11	905	28	5 475	823.8	1987	89 05
16	1.10	0.200	0.33	0.97	13	970	31	5 479	781.6	1988	88 07 - ABAND 88 06
32	1.20	0.200	0.44	0.95	11	905	28	5 781	852.1	1988	88 11
64	1.89	0.220	0.37	0.95	11	905	28	5 928	824.2	1988	91 12
32	2.20	0.240	0.47	0.95	11	905	28	5 758	895.9	1988	90 12 - GPP
32	1.20	0.230	0.42	0.95	11	905	28	5 480	778.3	1988	89 02 - GPP
32	1.20	0.250	0.42	0.95	11	905	28	6 024	848.8	1988	92 12 - ABAND 92 10
32	0.70	0.250	0.22	0.95	11	905	28	6 166	891.7	1988	90 04 - GPP
55	1.19	0.270	0.29	0.95	11	905	28	4 973	813.8	1983	92 12 - GPP
171	2.71	0.220	0.36	0.92	11	905	28	5 779	821.6	1988	92 08 - GPP
80	1.78	0.232	0.29	0.95	11	905	28	6 264	860.5	1988	92 12 - GPP
16	0.70	0.280	0.37	0.97	68	894	41	5 212	768.6	1985	90 12 - GPP
32	1.50	0.240	0.42	0.95	11	905	28	5 982	906.6	1989	89 08 - GPP
32	4.00	0.260	0.38	0.95	11	905	28	5 988	904.0	1989	89 08 - GPP
64	1.87	0.210	0.51	0.95	11	905	28	5 303	857.1	1989	89 10 - GPP
64	1.00	0.270	0.33	0.97	7	956	29	5 575	792.0	1981	89 12 - ABAND 92 07
32	1.80	0.300	0.22	0.97	10	910	32	5 221	778.6	1985	85 09 - GPP
64	1.10	0.180	0.45	0.95	11	905	28	6 402	957.8	1989	90 02 - GPP
16	2.18	0.230	0.45	0.95	11	905	28	5 688	807.7	1989	91 12 - GPP
32	1.00	0.220	0.29	0.95	11	905	28	6 024	855.5	1986	90 09
85	1.25	0.250	0.32	0.95	11	905	28	6 137	846.0	1990	91 09 - GPP
16	4.00	0.200	0.46	0.95	11	905	28	5 973	853.6	1990	90 10 - GPP
16	2.80	0.180	0.47	0.95	11	905	28	6 155	816.2	1990	91 12
4	2.80	0.250	0.43	0.95	11	905	28	5 586	822.6	1990	90 12 - GPP
32	1.50	0.270	0.36	0.97	11	905	28	6 121	832.8	1990	91 08 - GPP
16	4.30	0.290	0.17	0.95	11	905	28	5 656	850.6	1991	91 12 - GPP
4	1.50	0.270	0.32	0.95	11	905	28	5 768	829.7	1991	92 08 - ABAND 92 01
16	4.70	0.230	0.29	0.95	11	905	28	5 736	931.4	1991	92 07 - GPP
32	0.70	0.210	0.43	0.95	11	905	28	5 571	931.4	1991	92 11 - GPP
32	2.00	0.270	0.37	0.95	11	905	28	5 500	789.5	1991	92 02 - GPP
108	3.63	0.220	0.39	0.97	9	935	28	6 385	867.2	1989	92 03 - GPP
32	4.70	0.240	0.35	0.95	11	905	28	6 240	835.7	1989	91 02 - GPP
41	4.25	0.220	0.32	0.97	9	935	28	5 322	948.5	1991	92 04 - GPP
200	3.53	0.270	0.35	0.96	32	893	34	5 615	835.1	1987	92 06 - GPP
77	3.02	0.230	0.33	0.95	18	889	34	6 137	919.9	1975	92 12 - GPP
64	4.31	0.130	0.30	0.90	43	874	38	7 171	976.9	1977	78 08 - ABAND 78 06
64	2.30	0.230	0.48	0.96	18	865	32	7 000	1 028.1	1978	79 01 - GPP
16	1.80	0.210	0.40	0.94	27	917	32	5 840	909.8	1976	79 05 - GPP
16	3.40	0.280	0.35	0.97	10	980	27	6 099	795.3	1980	84 12 - ABAND 86 01
16	3.50	0.270	0.38	0.97	12	970	29	6 047	789.8	1980	81 01 - ABAND 82 06
64	1.00	0.230	0.45	0.90	38	890	32	6 878	1 030.5	1980	87 12 - GPP
64	5.30	0.240	0.45	0.96	13	876	32	7 036	1 049.2	1982	86 12
188	5.50	0.270	0.14	0.92	34	900	34	5 920	909.4	1969	91 12 - GPP
60	2.20	0.200	0.45	0.92	31	878	31	6 765	1 051.6	1984	90 12 - GPP
32	3.66	0.240	0.36	0.92	31	878	31	7 250	1 052.6	1985	89 07 - GPP
16	2.80	0.240	0.50	0.97	12	963	24	6 005	915.3	1980	88 12
16	7.10	0.220	0.25	0.82	28	949	37	6 358	965.8	1983	89 12 - ABAND 90 11
32	4.20	0.220	0.22	0.97	7	915	27	5 727	884.2	1972	90 12 - GPP
32	1.30	0.200	0.50	0.95	18	939	37	8 923	1 069.2	1990	92 03 - GPP
64	4.65	0.147	0.43	0.89	38	890	32	6 374	1 054.6	1986	88 08 - GPP
460	4.00	0.280	0.30	0.97	38	894	31	5 430	792.3	1982	90 12 - GPP
640	5.80	0.280	0.23	0.92	36	918	28	5 463	820.8	1983	89 09 - GPP
16	6.99	0.250	0.31	0.97	11	960	30	5 733	850.8	1981	92 11 - ABAND 89 05
16	1.80	0.240	0.40	0.90	41	939	30	5 927	817.9	1983	84 09 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PROVDST 036-07W4 (CONTINUED)								
DINA G	286.0	<0.01		2.8		2.8	2.8	
DINA H	123.0	<0.01		0.3		0.3	0.3	
DINA I	145.0	<0.01		0.1		0.1	0.1	
DINA J	123.0	<0.01		0.9		0.9	0.9	
DINA K	264.0	0.05		13.2		13.2	2.3	10.9
DINA L	1 355.0	0.45		610.0		610.0	395.2	214.8
DINA M	41.3	0.30		12.4		12.4	2.9	9.5
DINA N	7 693.0	0.20		1 539.0		1 539.0	938.8	600.2
DINA O	3 475.0	0.08		278.0		278.0	136.9	141.1
DINA P	131.0	<0.01		0.3		0.3	0.3	
DINA Q	262.0	0.05		13.1		13.1	6.7	6.4
DINA R	659.0	0.03		19.8		19.8	14.1	5.7
DINA S	2 109.0	0.35		738.0		738.0	514.0	224.0
DINA T	282.0	0.20		56.4		56.4	11.5	44.9
DINA U	181.0	0.15		27.2		27.2	8.3	18.9
DINA V	197.0	0.10		19.7		19.7	0.4	19.3
DINA X	1 166.0	0.30		350.0		350.0	159.9	190.1
DINA Y	2 456.0	0.25		614.0		614.0	372.9	241.1
DINA Z	194.0	0.05		9.7		9.7	0.2	9.5
DINA BB	122.0	0.20		24.4		24.4	6.2	18.2
DINA DD	180.0	0.25		45.0		45.0	33.6	11.4
DINA EE	133.0	<0.01		0.4		0.4	0.4	
DINA FF	511.0	0.05		25.6		25.6	12.2	13.4
DINA GG	365.0	<0.01		0.1		0.1	0.1	
DINA HH	181.0	0.10		18.1		18.1	4.6	13.5
DINA II	446.0	0.01		4.5		4.5	2.3	2.2
DINA JJ	197.0	0.30		59.1		59.1	39.6	19.5
DINA KK	155.0	0.05		7.8		7.8	0.6	7.2
DINA LL	87.4	0.07		6.1		6.1	4.5	1.6
DINA NN	337.0	0.35		118.0		118.0	101.5	16.5
DINA OO	654.0	0.10		65.4		65.4	28.4	37.0
DINA PP	510.0	0.10		51.0		51.0	50.0	1.0
DINA QQ	38.2	<0.01		0.2		0.2	0.2	
DINA RR	542.0	0.05		27.1		27.1	15.4	11.7
DINA SS	1 831.0	0.35		641.0		641.0	444.9	196.1
DINA TT	78.2	0.05		3.9		3.9	0.5	3.4
DINA VV	113.0	<0.01		0.2		0.2	0.2	
DINA YY	2 241.0	0.35		784.0		784.0	616.1	167.9
DINA AAA	80.0	0.30		24.0		24.0	10.9	13.1
DINA CCC	32.7	0.40		13.1		13.1	9.7	3.4
DINA DDD	34.7	0.30		10.4		10.4	2.6	7.8
DINA FFF	2 664.0	0.30		799.0		799.0	264.2	534.8
DINA GGG	380.0	0.30		114.0		114.0	69.1	44.9
DINA III	44.7	0.20		8.9		8.9	4.8	4.1
DINA JJJ	352.0	0.10		35.2		35.2	10.5	24.7
DINA KKK	160.0	0.10		16.0		16.0	6.3	9.7
DINA LLL	29.7	<0.01		0.1		0.1	0.1	
DINA MMM	173.0	0.05		8.7		8.7	0.4	8.3
DINA NNN	75.6	0.10		7.6		7.6	1.0	6.6
DINA OOO	262.0	0.15		39.3		39.3	28.7	10.6
DINA PPP	2 032.0	0.35		711.0		711.0	407.7	303.3
DINA QQQ	53.1	0.25		13.3		13.3	5.1	8.2
DINA RRR	155.0	0.25		38.8		38.8	17.2	21.6
DINA SSS	27.6	<0.01		0.1		0.1	0.1	
DINA TTT	25.8	0.10		2.6		2.6	0.4	2.2
DINA UUU	279.0	0.35		97.7		97.7	72.7	25.0
DINA VVV	406.0	0.30		122.0		122.0	39.2	82.8
DINA WWW	8.2	0.20		1.6		1.6	0.4	1.2
DINA YYY	100.0	0.20		20.0		20.0	9.1	10.9
DINA ZZZ	84.2	0.25		21.1		21.1	9.0	12.1
DINA B2B	850.0	0.10		85.0		85.0	37.3	47.7
DINA C2C	738.0	0.30		221.0		221.0	69.8	151.2
DINA D2D	78.8	0.20		15.8		15.8	2.0	13.8
DINA E2E	1 644.0	0.40		658.0		658.0	277.7	380.3
DINA G2G	6.3	0.25		1.6		1.6	0.1	1.5
DINA H2H	98.1	0.20		19.6		19.6	2.7	16.9
DINA J2J	32.6	0.05		1.6		1.6	0.1	1.5
DINA K2K	81.0	0.10		8.1		8.1	0.4	7.7
DINA M2M	38.4	0.20		7.7		7.7	2.1	5.6
DINA N2N	174.0	0.30		52.2		52.2	11.1	41.1
DINA O2O	939.0	0.05		47.0		47.0	25.6	21.4

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
32	4.28	0.290	0.20	0.90	28	922	31	5 733	918.1	1984	86 05 - ABAND 89 10
32	4.00	0.200	0.50	0.96	25	904	28	5 607	777.2	1984	85 03 - GPP
16	3.90	0.300	0.20	0.97	20	976	30	6 222	867.1	1984	88 12 - ABAND 89 08
16	4.10	0.280	0.30	0.96	23	925	29	5 489	795.8	1984	84 01 - ABAND 87 06
32	4.05	0.280	0.25	0.97	15	945	30	5 504	808.7	1984	87 01 - GPP
223	3.13	0.260	0.23	0.97	7	914	27	5 582	835.3	1984	92 12 - GPP
8	3.33	0.250	0.36	0.97	11	904	30	5 514	815.3	1984	92 12 - GPP
494	6.67	0.290	0.17	0.97	10	934	31	5 930	836.6	1957	91 12 - GPP
269	5.67	0.290	0.19	0.97	10	928	30	5 910	834.0	1956	91 12 - GPP
16	3.50	0.290	0.17	0.97	11	946	29	5 503	823.3	1984	88 12 - GPP
32	5.03	0.230	0.27	0.97	10	960	30	6 037	817.9	1984	86 08 - GPP
48	6.03	0.290	0.19	0.97	15	920	27	5 377	790.2	1983	86 06 - GPP
286	4.77	0.230	0.30	0.96	13	874	32	6 466	902.3	1985	92 12 - GPP
75	2.29	0.260	0.35	0.97	15	915	30	6 292	963.8	1985	91 09 - GPP
32	2.69	0.280	0.21	0.95	12	950	30	5 992	829.8	1986	88 07 - GPP
64	2.80	0.230	0.47	0.90	40	930	33	6 585	953.4	1987	87 09 - GPP
118	6.97	0.230	0.33	0.92	33	887	34	6 635	959.4	1987	91 12 - GPP
398	3.63	0.230	0.23	0.96	14	876	34	5 964	986.8	1987	90 11 - GPP
64	3.30	0.200	0.49	0.90	41	876	34	6 215	986.4	1987	88 01 - GPP
16	4.20	0.250	0.23	0.94	22	905	27	5 515	827.2	1987	89 12 - GPP
50	1.92	0.260	0.25	0.96	39	883	30	6 296	1 003.7	1987	89 12 - GPP
16	5.30	0.225	0.28	0.97	7	915	27	5 457	789.6	1987	88 06 - ABAND 88 04
128	3.20	0.220	0.37	0.90	33	892	34	6 884	1 004.5	1987	88 06 - GPP
32	4.50	0.290	0.10	0.97	7	915	27	6 118	790.0	1988	88 07 - ABAND 88 06
32	3.30	0.230	0.23	0.97	7	915	27	5 951	834.9	1988	88 08 - GPP
32	6.20	0.290	0.20	0.97	7	915	27	6 124	835.9	1988	92 12 - GPP
40	3.40	0.230	0.35	0.97	7	915	27	5 844	962.3	1988	90 12 - GPP
32	2.30	0.290	0.25	0.97	7	914	27	5 522	860.9	1988	88 08 - GPP
16	3.30	0.230	0.25	0.96	16	931	30	5 456	828.7	1985	90 12 - GPP
60	3.27	0.230	0.23	0.97	7	915	27	5 983	958.2	1988	91 12 - GPP
160	3.19	0.220	0.38	0.94	23	876	27	6 165	931.9	1988	89 08 - GPP
52	7.07	0.220	0.35	0.97	7	915	27	6 615	971.4	1988	89 04 - GPP
32	1.10	0.260	0.57	0.97	7	915	27	6 241	987.6	1988	88 11 - ABAND 88 05
32	8.10	0.280	0.23	0.97	7	915	27	5 459	787.4	1988	88 01 - GPP
200	5.26	0.230	0.22	0.97	7	915	27	6 047	928.6	1988	91 12 - GPP
32	1.50	0.240	0.30	0.97	7	914	27	6 061	822.3	1988	88 11 - GPP
16	4.00	0.250	0.27	0.97	7	915	27	5 030	808.0	1988	88 12 - ABAND 89 02
246	4.46	0.270	0.22	0.97	7	915	27	5 259	840.3	1988	91 07 - GPP
16	3.53	0.200	0.27	0.97	7	914	27	6 610	981.2	1988	90 12 - GPP
8	4.06	0.230	0.54	0.95	18	879	33	6 766	978.7	1988	91 03 - GPP
8	3.75	0.250	0.48	0.89	42	915	32	6 724	942.9	1988	92 06 - GPP
425	3.50	0.260	0.29	0.97	9	935	28	6 682	980.1	1988	91 11 - GPP
100	2.09	0.250	0.25	0.97	9	935	28	5 786	823.8	1988	90 12 - GPP
16	2.80	0.210	0.51	0.97	9	935	28	6 242	1 058.8	1988	91 12 - GPP
92	2.99	0.220	0.40	0.97	9	935	28	6 780	966.9	1988	92 05 - GPP
16	7.00	0.230	0.36	0.97	9	935	28	6 089	1 009.0	1988	89 03 - GPP
16	1.60	0.210	0.43	0.97	9	935	28	6 084	835.2	1988	89 03 - ABAND 89 11
16	5.50	0.260	0.22	0.97	9	935	28	5 560	801.3	1988	89 03 - GPP
16	3.50	0.240	0.42	0.97	9	935	28	6 759	977.8	1988	89 03 - GPP
32	4.27	0.250	0.21	0.97	9	935	28	6 341	943.0	1988	92 12 - GPP
340	3.20	0.250	0.23	0.97	9	935	28	6 154	820.4	1988	92 12 - GPP
8	3.85	0.230	0.21	0.95	9	935	28	6 339	922.9	1988	89 04 - GPP
40	2.83	0.220	0.36	0.97	9	935	28	6 343	931.0	1988	91 12 - GPP
16	1.80	0.190	0.48	0.97	9	935	28	6 147	921.1	1988	89 04 - ABAND 90 01
4	7.00	0.190	0.50	0.97	9	935	28	5 599	984.9	1988	89 04 - GPP
54	3.32	0.240	0.28	0.90	9	935	28	6 375	982.2	1988	92 12 - GPP
60	4.50	0.230	0.31	0.95	11	905	28	5 964	981.4	1988	90 11 - GPP
4	2.30	0.210	0.56	0.97	9	935	28	6 456	940.9	1988	89 05 - GPP
33	2.50	0.240	0.48	0.97	9	935	28	6 435	978.0	1988	91 09 - GPP
8	6.11	0.250	0.29	0.97	9	935	28	6 302	962.6	1988	92 02 - GPP
228	2.90	0.250	0.47	0.97	36	850	38	7 163	1 061.6	1981	89 11 - GPP
50	8.45	0.250	0.28	0.97	9	935	28	4 861	860.8	1989	90 03 - GPP
16	3.90	0.210	0.38	0.97	9	935	28	6 216	820.5	1989	89 08 - GPP
155	5.80	0.280	0.29	0.92	36	900	28	5 502	835.9	1979	92 12 - GPP
4	2.80	0.200	0.71	0.97	9	935	28	6 016	952.8	1989	89 10 - GPP
16	6.40	0.190	0.48	0.97	9	935	28	6 330	936.9	1988	89 10 - GPP
4	5.60	0.200	0.25	0.97	9	935	28	5 621	909.0	1989	92 12 - GPP
16	3.90	0.235	0.43	0.97	9	935	28	6 900	955.5	1989	91 06 - GPP
16	2.50	0.180	0.45	0.97	9	935	28	6 261	829.8	1989	89 11 - GPP
65	2.60	0.200	0.47	0.97	9	935	28	5 581	962.0	1989	90 10 - GPP
206	2.30	0.280	0.27	0.97	11	917	31	5 307	788.5	1976	89 08 - GPP

TABLE 2-6

FIELD POOL	1	3		5		6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PROVOST 036-07W4 (CONTINUED)								
DINA P2P	114.0	0.03		3.4		3.4	0.1	3.3
DINA R2R	60.8	0.05		3.0		3.0	2.0	1.0
DINA W2W	196.0	0.20		39.2		39.2	3.6	35.6
DINA L2L & S2S	493.0	0.45		222.0		222.0	158.2	63.8
DINA A3A	106.0	0.20		21.2		21.2	0.5	20.7
DINA C3C	54.6	0.03		1.6		1.6	0.9	0.7
DINA E3E	127.0	0.15		19.1		19.1	4.9	14.2
DINA F3F	371.0	0.30		111.0		111.0	33.9	77.1
DINA G3G	48.3	0.30		14.5		14.5	0.7	13.8
DINA H3H	17.1	<0.02		0.2		0.2	0.2	
DINA I3I	29.4	0.30		8.8		8.8	2.4	6.4
DINA J3J	37.7	0.20		7.5		7.5	0.9	6.6
DINA K3K	63.5	0.05		3.2		3.2	0.1	3.1
DINA L3L	69.3	0.25		17.3		17.3	8.0	9.3
DINA M3M	596.0	0.30		179.0		179.0	46.5	132.5
DINA N3N	239.0	0.30		71.7		71.7	22.6	49.1
DINA O3O	105.0	0.20		21.0		21.0	0.1	20.9
DINA P3P	80.0	<0.01		0.3		0.3	0.3	
DINA Q3Q	790.0	0.20		158.0		158.0	13.3	144.7
DINA R3R	184.0	0.10		18.4		18.4	6.6	11.8
DINA T3T	32.6	0.30		9.8		9.8	1.5	8.3
DINA U3U	1 142.0	0.30		343.0		343.0	94.3	248.7
DINA V3V	429.0	0.20		85.8		85.8	38.8	47.0
DINA W3W	526.0	0.35		184.0		184.0	39.6	144.4
DINA X3X	49.9	0.35		17.5		17.5	5.8	11.7
DINA Y3Y	12.0	0.35		4.2		4.2	0.1	4.1
DINA Z3Z	630.0	0.40		252.0		252.0	90.3	161.7
DINA C4C	149.0	0.20		29.8		29.8	0.2	29.6
DINA D4D	26.1	0.20		5.2		5.2	0.1	5.1
DINA F4F	10.2	0.25		2.6		2.6		2.6
DINA G4G	2 340.0	0.30		702.0		702.0	225.6	476.4
DINA H4H	30.8	0.15		4.6		4.6	1.0	3.6
DINA I4I	685.0	0.25		171.0		171.0	70.4	100.6
DINA J4J	89.2	0.10		8.9		8.9	0.3	8.6
DINA L4L	23.4	0.35		8.2		8.2	1.5	6.7
DINA M4M	36.6	0.10		3.7		3.7	3.1	0.6
DINA N4N	217.0	0.20		43.4		43.4	40.8	2.6
DINA O4O	47.5	0.25		11.9		11.9	3.0	8.9
DINA P4P	29.3	0.30		8.8		8.8	2.6	6.2
DINA Q4Q	20.0	0.35		7.0		7.0	0.6	6.4
DINA R4R	96.8	0.35		33.9		33.9	27.2	6.7
DINA S4S	34.8	0.25		8.7		8.7	3.2	5.5
DINA T4T	454.0	0.25		114.0		114.0	21.3	92.7
DINA U4U	44.5	0.20		8.9		8.9	3.1	5.8
DINA V4V	32.5	0.30		9.8		9.8	1.7	8.1
DINA W4W	727.0	0.25		182.0		182.0	13.7	168.3
DINA Y4Y	74.7	0.35		26.1		26.1	6.3	19.8
DINA Z4Z	33.0	<0.01		0.1		0.1	0.1	
DINA A5A	43.4	0.20		8.7		8.7	1.4	7.3
DINA C5C	12.8	<0.04		0.5		0.5	0.5	
DINA E5E	951.0	0.20		190.0		190.0	23.9	166.1
DINA F5F	38.6	0.30		11.6		11.6	2.1	9.5
DINA H5H	200.0	0.25		50.0		50.0	20.9	29.1
BASAL QUARTZ C	7 841.0	0.25		1 960.0		1 960.0	1 183.1	776.9
ELLERSLIE A	34.4	<0.04		1.1		1.1	1.1	
ELLERSLIE C	147.0	<0.01		0.4		0.4	0.4	
ELLERSLIE D	1 559.0	0.20		312.0		312.0	189.2	122.8
ELLERSLIE E	52.8	<0.01		0.1		0.1	0.1	
ELLERSLIE F	247.0	0.10		24.7		24.7	7.8	16.9
ELLERSLIE G	92.8	0.20		18.6		18.6	11.6	7.0
ELLERSLIE H	200.0	0.10		20.0		20.0	0.5	19.5
ELLERSLIE I	239.0	0.05		11.9		11.9	0.8	11.1
ELLERSLIE J	93.4	0.10		9.3		9.3	2.9	6.4
ELLERSLIE K	1 221.0	0.30		366.0		366.0	110.7	255.3
ELLERSLIE L	831.0	0.40		332.0		332.0	262.7	69.3
ELLERSLIE M	68.5	0.15		10.3		10.3	0.3	10.0
ELLERSLIE N	4 843.0	0.25		1 211.0		1 211.0	362.0	849.0
ELLERSLIE P	500.0	0.15		75.0		75.0	12.9	62.1
ELLERSLIE Q	269.0	0.20		53.8		53.8	14.0	39.8
ELLERSLIE T	616.0	0.20		123.0		123.0	27.8	95.2

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
16	3.50	0.300	0.30	0.97	7	910	27	4 992	779.0	1984	92 10 - GPP
4	7.00	0.280	0.20	0.97	9	935	28	6 107	864.1	1989	92 12 - GPP
16	8.20	0.220	0.30	0.97	9	935	28	6 107	939.4	1989	90 04 - GPP
67	3.79	0.260	0.23	0.97	9	935	28	5 810	964.7	1989	92 12 - GPP
16	4.00	0.240	0.29	0.97	9	935	28	5 920	832.5	1990	90 05 - GPP
4	13.00	0.190	0.43	0.97	9	935	28	6 939	1 004.2	1989	92 12 - GPP
16	4.40	0.270	0.31	0.97	9	935	28	7 349	1 035.4	1990	90 08 - GPP
67	4.21	0.230	0.41	0.97	9	935	28	5 510	845.8	1990	91 12 - GPP
16	3.20	0.180	0.46	0.97	9	935	28	6 251	1 008.1	1988	90 10 - GPP
4	3.50	0.210	0.40	0.97	9	935	28		959.6	1990	92 07 - ABAND 92 04
8	2.84	0.230	0.42	0.97	9	935	28	5 827	863.6	1980	90 11 - GPP
16	1.50	0.270	0.40	0.97	9	935	28	5 800	827.3	1990	90 11 - GPP
16	3.30	0.200	0.38	0.97	9	935	28	6 757	973.9	1990	90 11 - GPP
12	2.94	0.270	0.25	0.97	9	935	28	5 507	838.6	1990	91 12 - GPP
75	4.68	0.250	0.30	0.97	9	935	28	5 976	957.2	1990	92 10 - GPP
31	3.60	0.280	0.21	0.97	9	935	28	5 259	851.8	1990	91 03 - GPP
16	4.10	0.230	0.28	0.97	9	935	28	5 600	916.6	1990	90 12 - GPP
16	2.90	0.250	0.29	0.97	9	935	28	6 000	923.1	1990	92 12 - ABAND 92 02
165	2.99	0.250	0.34	0.97	9	935	28	5 772	863.3	1990	92 03 - GPP
16	5.50	0.280	0.23	0.97	9	935	28	5 550	852.5	1990	91 12 - GPP
8	5.00	0.210	0.60	0.97	9	935	28	6 068	992.3	1989	92 08 - GPP
130	4.14	0.270	0.19	0.97	9	935	28	5 433	851.7	1990	92 12 - GPP
66	5.35	0.220	0.40	0.92	33	887	34	6 653	962.3	1988	92 09 - GPP
157	2.32	0.240	0.38	0.97	9	935	28	6 275	957.3	1990	92 12 - GPP
8	4.06	0.220	0.28	0.97	9	935	28	6 016	1 000.7	1990	91 04 - GPP
4	2.20	0.220	0.36	0.97	9	970	28	5 854	989.0	1990	91 04 - GPP
100	3.56	0.240	0.24	0.97	9	970	28	5 967	961.3	1990	92 12 - GPP
16	10.40	0.210	0.56	0.97	9	935	28	6 803	1 014.0	1990	91 06 - GPP
16	2.00	0.210	0.60	0.97	9	935	20	6 692	932.1	1991	91 06 - GPP
4	1.90	0.230	0.40	0.97	9	935	28		968.1	1990	91 08 - GPP
492	2.88	0.260	0.27	0.87	62	870	28	6 120	842.4	1973	92 10 - GPP
16	1.20	0.240	0.31	0.97	9	935	28	7 164	1 009.6	1991	91 10 - GPP
106	3.38	0.270	0.27	0.97	9	935	28	5 502	819.1	1991	92 09 - GPP
16	3.30	0.260	0.33	0.97	9	935	28	5 486	824.9	1991	91 10 - GPP
4	3.60	0.250	0.33	0.97	9	935	28	5 314	955.4	1991	91 10 - GPP
16	1.60	0.250	0.41	0.97	9	935	28		1 065.2	1988	91 10 - GPP
61	2.19	0.240	0.28	0.94	9	935	28	5 850	873.6	1991	92 11 - GPP
4	7.00	0.250	0.30	0.97	9	935	28	5 526	850.7	1990	91 12 - GPP
4	4.70	0.240	0.33	0.97	9	935	28	5 769	836.4	1991	92 08 - GPP
16	1.10	0.240	0.51	0.97	9	935	28	5 948	959.6	1991	91 12 - GPP
29	2.24	0.240	0.36	0.97	9	935	28	5 652	963.8	1991	92 01 - GPP
4	4.50	0.280	0.28	0.96	14	868	33	5 930	973.8	1990	92 01 - GPP
48	4.41	0.280	0.21	0.97	9	935	28	5 868	831.9	1991	92 02 - GPP
8	3.50	0.230	0.28	0.96	14	868	33	5 900	990.1	1990	92 04 - GPP
4	4.60	0.260	0.30	0.97	9	935	28	5 938	948.0	1991	92 03 - GPP
64	5.50	0.280	0.24	0.97	9	935	28	5 638	829.2	1991	92 12 - GPP
22	2.09	0.270	0.38	0.97	9	935	28		961.9	1991	92 04 - GPP
4	4.50	0.270	0.30	0.97	9	935	28	5 868	829.0	1991	92 11 - GPP
8	3.70	0.240	0.37	0.97	9	935	28		993.3	1991	92 12 - GPP
4	3.00	0.220	0.50	0.97	9	935	28	6 100	949.5	1991	92 12 - ABAND 92 09
168	3.63	0.240	0.33	0.97	9	935	28	5 876	940.9	1992	92 10 - GPP
16	2.70	0.200	0.54	0.97	9	935	28	6 188	837.0	1990	92 11 - GPP
58	2.16	0.240	0.30	0.95	9	935	28		903.6	1975	92 12 - GPP
434	8.72	0.290	0.24	0.94	25	921	33	5 827	892.6	1975	90 12 - GPP
32	1.50	0.130	0.40	0.92	34	917	35	5 722	914.1	1981	85 12 - ABAND 84 08
64	3.00	0.173	0.52	0.92	37	897	21	6 419	963.5	1985	89 12 - GPP
192	4.97	0.240	0.26	0.92	32	912	34	6 490	965.8	1982	89 12 - GPP
64	1.40	0.160	0.60	0.92	31	864	30	7 467	1 072.5	1986	87 05 - ABAND 88 05
32	4.30	0.260	0.25	0.92	40	900	32	7 349	1 054.4	1987	87 10 - GPP
16	3.98	0.210	0.27	0.95	16	909	34	6 606	1 044.8	1987	89 05 - GPP
16	8.00	0.200	0.17	0.94	28	924	31	6 288	990.5	1988	88 06 - GPP
32	4.60	0.230	0.25	0.94	28	924	31	6 070	985.7	1988	89 11 - GPP
16	4.50	0.230	0.40	0.94	28	924	31	7 341	1 047.0	1988	89 03 - GPP
113	5.08	0.290	0.22	0.94	37	899	35	6 109	974.9	1988	92 10 - GPP
130	3.98	0.230	0.28	0.97	9	888	34	6 715	1 030.4	1989	92 09 - GPP
16	3.00	0.220	0.31	0.94	28	924	31	6 871	1 030.5	1989	89 11 - GPP
395	5.98	0.260	0.17	0.95	18	888	34	6 345	991.3	1991	92 12 - GPP
125	2.34	0.240	0.25	0.95	16	908	34	6 329	1 028.9	1991	92 01 - GPP
67	2.78	0.220	0.31	0.95	16	908	34	6 267	990.7	1991	92 04 - GPP
103	3.32	0.240	0.21	0.95	16	908	34	6 051	972.0	1991	92 06 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
PROVDST 036-07W4 (CONTINUED) FIELD TOTAL *	218 772.6			31 308.9	1 916.0	33 224.9	16 879.4	16 345.5
RAINIER 017-15W4 BASAL QUARTZ A	38.3	<0.01		0.2		0.2	0.2	
FIELD TOTAL	38.3			0.2		0.2	0.2	
REAGAN 001-19W4 RUNDLE A	460.0	0.18		82.8		82.8	78.6	4.2
FIELD TOTAL	460.0			82.8		82.8	78.6	4.2
RED COULEE 001-17W4 CUTBANK B	1 010.0	0.05		50.5		50.5	46.6	3.9
CUTBANK C	158.0	0.03		4.7		4.7	2.2	2.5
RUNDLE A	86.8	0.15		13.0		13.0	11.1	1.9
RUNDLE B	36.2	0.02		0.7		0.7	0.7	
FIELD TOTAL *	1 291.0			68.9		68.9	60.6	8.3
RETLAW 012-18W4 MANNVILLE A	868.0	0.06		52.1		52.1	36.5	15.6
MANNVILLE I	1 270.0	0.12		152.0		152.0	137.0	15.0
MANNVILLE O	124.0	<0.02		1.7		1.7	1.7	
MANNVILLE Q	183.0	<0.01		0.1		0.1	0.1	
MANNVILLE R	238.0	0.05		11.9		11.9	10.6	1.3
MANNVILLE V	1 860.0	0.10		186.0		186.0	96.5	89.5
MANNVILLE W	371.0	0.04		14.8		14.8	11.5	3.3
MANNVILLE Y	222.0	0.10		22.2		22.2		22.2
MANNVILLE EE	392.0	0.06		23.5		23.5	15.8	7.7
MANNVILLE FF	178.0	<0.01		0.1		0.1	0.1	
MANNVILLE GG	92.7	<0.01		0.1		0.1	0.1	
MANNVILLE II	288.0	0.03		8.6		8.6	3.3	5.3
MANNVILLE KK	61.3	0.15		9.2		9.2	5.6	3.6
MANNVILLE LL	1 500.0	0.20		300.0		300.0	152.4	147.6
MANNVILLE MM	90.4	<0.01		0.4		0.4	0.4	
MANNVILLE PP	260.0	0.10		26.0		26.0	18.5	7.5
MANNVILLE RR	31.8	<0.01		0.2		0.2	0.2	
MANNVILLE SS	107.0	<0.01		1.0		1.0	1.0	
MANNVILLE TT	438.0	0.05		21.9		21.9	14.4	7.5
MANNVILLE UU	44.8	<0.01		0.1		0.1	0.1	
MANNVILLE WW	244.0	<0.01		0.1		0.1	0.1	
MANNVILLE B & D	300.0	0.04		12.0		12.0	0.1	11.9
MANNVILLE AAA	195.0	<0.01		1.2		1.2	1.2	
MANNVILLE BBB	1 300.0	0.05		65.0		65.0	30.0	35.0
MANNVILLE CCC	290.0	<0.02		4.0		4.0	4.0	
MANNVILLE DDD	52.8	<0.01		0.1		0.1	0.1	
MANNVILLE JJJ	54.1	<0.03		1.5		1.5	1.5	
MANNVILLE KKK	105.0	0.10		10.5		10.5	1.8	8.7
MANNVILLE NNN	187.0	0.15		28.0		28.0	10.2	17.8
MANNVILLE ODD	97.3	0.10		9.7		9.7	8.9	0.8
MANNVILLE RRR	473.0	0.05		23.7		23.7	20.8	2.9
MANNVILLE TTT	21.3	0.05		1.1		1.1	1.1	
MANNVILLE WWW	60.2	<0.01		0.2		0.2	0.2	
MANNVILLE YYY	48.4	<0.01		0.2		0.2	0.2	
MANNVILLE A2A	66.6	<0.02		0.8		0.8	0.8	
MANNVILLE B2B	44.1	<0.01		0.1		0.1	0.1	
MANNVILLE F2F	76.0	<0.01		0.4		0.4	0.4	
MANNVILLE G2G	405.0	0.03		12.2		12.2	7.5	4.7
MANNVILLE N2N	57.4	<0.01		0.1		0.1	0.1	
MANNVILLE P2P	55.0	0.10		5.5		5.5	2.5	3.0
MANNVILLE Q2Q	231.0	0.05		11.6		11.6	2.5	9.1
MANNVILLE R2R	25.3	<0.01		0.1		0.1	0.1	
MANNVILLE T2T	41.4	0.10		4.1		4.1	2.5	1.6
MANNVILLE D3D	92.5	0.10		9.3		9.3	0.7	8.6
MANNVILLE I3I	43.4	0.10		4.3		4.3		4.3
FIELD TOTAL	13 185.8			1 037.7		1 037.7	603.2	434.5
RIBSTONE 043-04W4 SPARKY A	3 184.0	0.05		159.0		159.0	77.7	81.3

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
32	1.40	0.160	0.40	0.89	40	905	21	11 128	1 066.3	1980	84 12 - ABAND 86 10
274	2.78	0.110	0.27	0.75	127	844	29	7 580	1 094.2	1957	81 12 - GPP
229	4.18	0.180	0.37	0.93	32	904	27	6 030	838.2	1960	85 12 - GPP
32	5.91	0.180	0.42	0.80	32	904	30	6 000	896.0	1966	86 02 - GPP
25	5.61	0.110	0.25	0.75	32	910	28	6 270	948.2	1960	90 12 - GPP
16	3.66	0.110	0.25	0.75	32	904	28	6 210	879.7	1966	77 04 - GPP
560	1.72	0.176	0.36	0.80	64	870	34	11 650	1 108.0	1959	92 12 - GPP
454	2.13	0.218	0.30	0.86	64	921	39	11 580	1 086.1	1964	88 12 - GPP
65	1.77	0.172	0.27	0.86	45	946	37	11 810	1 106.7	1970	72 02 - ABAND 72 10
65	2.74	0.190	0.37	0.86	66	921	41	11 893	1 065.6	1971	74 04 - ABAND 74 03
96	2.25	0.197	0.35	0.86	14	921	38	11 550	1 091.1	1974	79 12 - GPP
1 061	1.52	0.180	0.28	0.89	57	946	32	11 720	1 069.5	1971	91 08 - GPP
96	3.53	0.185	0.32	0.87	57	921	32	12 030	1 134.9	1976	87 03 - GPP
32	6.00	0.210	0.38	0.89	57	910	36	7 834	1 092.0	1992	92 08
264	1.86	0.160	0.42	0.86	62	910	34	11 690	1 089.0	1978	92 03 - GPP
65	3.05	0.160	0.35	0.87	59	910	35	11 690	1 121.0	1978	78 12 - ABAND 82 07
16	5.50	0.180	0.35	0.90	44	965	35	11 860	1 109.0	1978	82 12
128	3.70	0.100	0.30	0.87	64	921	33	10 880	1 092.6	1978	80 12 - GPP
64	3.04	0.050	0.25	0.84	73	896	33	10 560	1 089.5	1977	92 08 - GPP
278	3.77	0.227	0.24	0.83	70	891	38	11 690	1 084.3	1979	87 11
32	1.80	0.220	0.18	0.87	50	922	37	11 880	1 093.0	1979	85 12 - GPP
48	4.50	0.210	0.34	0.87	89	916	37	11 542	1 074.8	1979	90 07
64	0.60	0.150	0.35	0.85	66	886	30	11 576	1 074.1	1964	89 12
16	8.00	0.150	0.35	0.86	62	900	37	11 479	1 077.5	1980	84 12 - GPP
64	9.36	0.140	0.40	0.87	58	900	37	11 078	1 079.8	1980	91 03 - GPP
16	2.78	0.180	0.35	0.86	66	959	35	10 337	1 104.1	1980	83 12
32	5.50	0.230	0.30	0.86	60	921	38	11 785	1 108.4	1977	85 12
125	1.83	0.221	0.30	0.85	73	896	33	11 780	1 091.2	1959	84 12 - GPP
16	17.97	0.150	0.48	0.87	54	917	32	11 146	1 075.7	1980	83 12 - GPP
423	2.93	0.180	0.33	0.87	60	915	37	11 808	1 053.3	1981	84 10 - GPP
64	2.50	0.270	0.20	0.84	75	896	35	11 838	1 108.8	1981	84 12 - GPP
64	0.80	0.160	0.25	0.86	64	885	30	11 943	1 078.0	1980	83 12
32	1.30	0.240	0.37	0.86	60	930	32	11 703	1 101.4	1981	84 12 - ABAND 83 10
32	3.70	0.188	0.45	0.86	68	921	33	11 555	1 102.3	1972	84 12
65	3.00	0.170	0.35	0.87	62	870	33	11 366	1 097.4	1980	83 12 - GPP
32	3.40	0.160	0.35	0.86	62	925	32	11 394	1 110.5	1978	83 12 - GPP
192	2.07	0.206	0.32	0.85	73	896	33	11 128	1 097.2	1963	85 09
16	1.14	0.180	0.27	0.89	56	911	36	11 880	1 097.7	1982	88 12 - ABAND 83 10
64	1.10	0.180	0.46	0.88	56	899	34	11 373	1 097.3	1983	83 06 - ABAND 89 11
16	2.00	0.220	0.20	0.86	62	887	32	10 617	1 097.7	1983	84 03 - ABAND 84 02
32	1.70	0.180	0.20	0.85	73	896	33	10 574	1 091.7	1984	85 06 - ABAND 84 11
32	1.50	0.180	0.40	0.85	64	920	33	11 635	1 094.7	1960	88 12
16	4.00	0.200	0.34	0.90	44	990	33	12 859	1 161.0	1984	85 06 - ABAND 87 08
32	6.50	0.270	0.19	0.89	57	910	36	11 281	1 091.8	1980	92 12 - GPP
32	3.00	0.160	0.56	0.85	65	925	30	11 662	1 138.6	1987	88 01 - ABAND 88 01
64	0.80	0.170	0.22	0.81	92	872	31	11 932	1 076.5	1988	88 07 - GPP
32	16.60	0.110	0.56	0.90	62	950	92	11 061	1 068.9	1980	90 10 - GPP
16	1.50	0.190	0.41	0.94	20	884	33	11 544	1 129.3	1988	92 03 - ABAND 91 10
32	1.20	0.190	0.34	0.86	64	921	33	11 484	1 100.3	1960	89 09 - GPP
64	1.50	0.170	0.37	0.90	65	897	32	11 072	1 113.9	1990	92 04
16	3.50	0.170	0.53	0.97	11	942	31		1 108.3	1991	92 12 - GPP
230	9.40	0.260	0.41	0.96	80	915	29	4 500	689.5	1979	89 08 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
RIBSTONE 043-04W4 (CONTINUED)								
SPARKY B	162.0	0.10		16.2		16.2	15.7	0.5
GENERAL PETROLEUM A	71.5	<0.06		3.7		3.7	3.7	
LLOYDMINSTER A	373.0	0.02		7.5		7.5	3.7	3.8
LLOYDMINSTER B	163.0	0.01		1.6		1.6	1.6	
LLOYDMINSTER C	41.9	<0.01		0.1		0.1	0.1	
LLOYDMINSTER D	28.2	<0.03		0.8		0.8	0.8	
NISKU B	506.0	0.05		25.3		25.3	17.8	7.5
NISKU C	125.0	<0.02		1.5		1.5	1.5	
NISKU D	267.0	0.05		13.4		13.4	8.2	5.2
NISKU E	267.0	0.05		13.3		13.3	2.6	10.7
NISKU A & CAMROSE A	1 031.0	0.10		103.0		103.0	60.8	42.2
FIELD TOTAL	6 219.6			345.4		345.4	194.2	151.2
RICHDALE 030-13W4 LOWER MANNVILLE G								
	80.0	0.15		12.0		12.0	9.1	2.9
FIELD TOTAL *	80.0			12.0		12.0	9.1	2.9
RIVERCOURSE 047-01W4								
COLONY A	245.0	<0.03		6.2		6.2	6.2	
COLONY B	265.0	<0.02		2.9		2.9	2.9	
COLONY G	98.2	<0.03		2.4		2.4	2.4	
SPARKY A	307.0	0.10		30.7		30.7	26.2	4.5
SPARKY D	696.0	0.05		34.8		34.8	13.1	21.7
SPARKY E	65.2	<0.02		1.3		1.3	1.3	
SPARKY G	148.0	0.05		7.4		7.4		7.4
GENERAL PETROLEUM A	83.5	0.03		2.5		2.5		2.5
CUMMINGS A	3 183.0	0.05		159.0		159.0	113.2	45.8
FIELD TOTAL	5 090.9			247.2		247.2	165.3	81.9
RONALANE 013-12W4								
LOWER MANNVILLE A	147.0	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE E	314.0	0.03		9.4		9.4	6.2	3.2
SAWTOOTH A	196.0	0.10		19.6		19.6	9.7	9.9
SAWTOOTH B	4 140.0	0.30		1 242.0		1 242.0	788.8	453.2
SAWTOOTH C	1 054.0	0.20		211.0		211.0	181.0	30.0
SAWTOOTH G	172.0	0.15		25.8		25.8	19.0	6.8
SAWTOOTH J	900.0	0.07		63.0		63.0	46.2	16.8
SAWTOOTH K	1 164.0	0.20		233.0		233.0	185.2	47.8
SAWTOOTH L	750.0	<0.03		17.2		17.2	17.2	
SAWTOOTH O	585.0	0.20		117.0		117.0	79.5	37.5
SAWTOOTH P	236.0	0.20		47.2		47.2	37.2	10.0
SAWTOOTH Q	44.3	<0.01		0.3		0.3	0.3	
SAWTOOTH R	147.0	0.10		14.7		14.7	1.1	13.6
SAWTOOTH S	173.0	0.20		34.6		34.6	26.1	8.5
SAWTOOTH T	105.0	0.10		10.5		10.5	0.3	10.2
SAWTOOTH U	255.0	0.10		25.5		25.5	3.0	22.5
SAWTOOTH V	2 167.0	0.15		325.0		325.0	127.8	197.2
SAWTOOTH W	57.3	0.15		8.6		8.6	0.6	8.0
SAWTOOTH X	19.1	0.10		1.9		1.9	0.1	1.8
SAWTOOTH Y	188.0	0.10		18.8		18.8	1.0	17.8
SAWTOOTH Z	224.0	0.20		44.8		44.8	9.0	35.8
SAWTOOTH AA	206.0	0.10		20.6		20.6	2.7	17.9
SAWTOOTH BB	109.0	0.15		16.4		16.4	1.4	15.0
SAWTOOTH DD	143.0	0.10		14.3		14.3	2.9	11.4
SAWTOOTH EE	165.0	0.10		16.5		16.5	2.6	13.9
FIELD TOTAL	13 660.7			2 538.9		2 538.9	1 550.1	988.8
RUMSEY 033-21W4								
GLAUCONITIC F	204.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC H	61.4	0.15		9.2		9.2	6.8	2.4
LOWER MANNVILLE E	38.9	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE F	417.0	0.15		62.5		62.5	14.7	47.8
FIELD TOTAL	721.3			72.3		72.3	22.1	50.2
SEDGEWICK 042-12W4 BASAL MANNVILLE C								
	117.0	0.10		11.7		11.7	4.7	7.0

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
43	2.76	0.250	0.43	0.96	15	956	29	4 501	669.0	1971	89 10
32	1.21	0.280	0.32	0.97	11	952	30	4 780	652.6	1985	87 12 - ABAND 91 08
65	3.05	0.280	0.30	0.96	40	946	29	4 860	661.4	1972	77 12 - GPP
32	2.40	0.300	0.27	0.97	14	939	26	4 750	642.5	1972	88 12
16	1.80	0.300	0.50	0.97	12	959	42	4 662	666.9	1986	87 01 - ABAND 89 03
16	0.90	0.300	0.32	0.96	16	984	27	5 110	689.9	1976	92 10
48	9.84	0.180	0.38	0.96	16	955	27	4 415	727.2	1985	86 01 - GPP
16	8.00	0.175	0.42	0.96	16	955	27	4 280	657.0	1985	86 01 - ABAND 87 10
32	6.61	0.180	0.27	0.96	16	955	27	4 025	664.8	1985	90 01
48	5.29	0.148	0.26	0.96	16	953	26	5 195	724.3	1973	88 07 - GPP
144	8.07	0.150	0.39	0.97	16	959	29	4 453	660.6	1985	88 12 - GPP
64	1.53	0.170	0.46	0.89	44	916	38	9 500	1 104.3	1978	85 12 - GPP
49	1.92	0.300	0.10	0.97	9	946	24	3 486	527.9	1965	75 07
16	6.15	0.340	0.20	0.99	9	972	26	3 500	521.9	1977	82 12 - GPP
16	2.50	0.310	0.20	0.99	9	971	25	3 500	532.3	1981	92 10
48	2.56	0.300	0.16	0.99	5	965	23	3 450	570.6	1974	84 12 - GPP
80	3.49	0.300	0.16	0.99	9	970	23	4 071	590.3	1978	92 06 - GPP
16	2.00	0.300	0.30	0.97	12	950	23	4 118	606.2	1978	92 10
16	4.50	0.300	0.30	0.98	8	980	22	4 118	598.8	1983	92 11 - GPP
16	2.00	0.310	0.15	0.99	10	984	25		603.0	1981	89 06 - GPP
224	6.25	0.290	0.20	0.98	9	989	22	4 365	641.3	1977	91 12 - GPP
32	3.05	0.270	0.35	0.86	66	887	33	10 980	952.5	1972	83 12 - ABAND 87 12
32	9.40	0.200	0.42	0.90	42	925	31	10 276	920.2	1984	87 12 - GPP
16	8.40	0.250	0.40	0.97	10	950	33	10 371	957.7	1985	85 10 - GPP
523	5.60	0.240	0.38	0.95	29	900	32	10 595	947.6	1985	91 02 - GPP
227	4.41	0.240	0.49	0.86	67	881	27	10 760	922.0	1975	91 09 - GPP
16	8.20	0.230	0.40	0.95	17	908	33	10 676	945.3	1986	86 08
64	8.25	0.260	0.31	0.95	18	919	33	9 962	940.1	1986	92 12 - GPP
233	4.80	0.220	0.45	0.86	40	870	32	6 500	938.8	1967	91 10 - GPP
64	6.50	0.280	0.30	0.92	30	884	33	10 625	905.8	1986	92 10 - ABAND 92 07
80	4.70	0.260	0.37	0.95	18	932	33	9 323	943.1	1987	90 12 - GPP
32	3.57	0.275	0.21	0.95	18	931	33	10 351	948.1	1986	91 12 - GPP
16	4.50	0.240	0.73	0.95	18	931	33	9 853	925.3	1988	89 05 - ABAND 89 12
32	5.50	0.200	0.51	0.85	64	919	28	10 670	940.5	1988	89 10
64	2.28	0.240	0.48	0.95	18	932	33	10 634	947.3	1989	92 12 - GPP
16	5.00	0.230	0.40	0.95	18	931	33	10 679	965.3	1988	90 09 - GPP
32	5.50	0.220	0.31	0.95	18	931	33	10 574	950.2	1990	90 10 - GPP
263	5.83	0.240	0.38	0.95	15	940	34	10 583	955.9	1985	91 10 - GPP
16	3.10	0.230	0.46	0.93	25	882	35	10 360	915.4	1990	91 08 - GPP
16	1.30	0.220	0.56	0.95	18	931	33	9 601	926.6	1990	91 05 - GPP
16	7.50	0.250	0.34	0.95	18	931	33	10 717	938.3	1990	91 05 - GPP
32	4.43	0.260	0.36	0.95	18	931	33	7 272	925.9	1991	91 11 - GPP
57	2.89	0.220	0.39	0.93	25	849	35	9 256	966.4	1991	91 12 - GPP
16	4.60	0.230	0.31	0.93	29	965	33	7 295	959.7	1991	92 05 - GPP
16	9.10	0.230	0.54	0.93	29	965	33	8 280	957.5	1990	92 05
32	4.00	0.230	0.41	0.95	14	906	34	9 192	936.0	1991	92 11 - GPP
64	4.40	0.170	0.50	0.85	50	900	44	10 034	1 403.8	1984	85 11 - ABAND 86 09
64	1.30	0.140	0.38	0.85	57	845	40	8 487	1 454.8	1986	87 11 - GPP
16	4.00	0.130	0.43	0.82	66	882	53	8 660	1 450.0	1987	92 10
128	3.06	0.190	0.37	0.89	52	882	46	8 942	1 437.8	1987	88 01 - GPP
32	2.00	0.280	0.30	0.93	28	920	30	4 047	916.0	1984	84 11 - GPP

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SEDGEWICK 042-12W4 (CONTINUED)								
FIELD TOTAL	117.0			11.7		11.7	4.7	7.0
SIBBALD 027-02W4								
UPPER MANNVILLE C	5 541.0			332.0	958.0	1 290.0	947.6	342.4
TOTAL								
PRIMARY AREA	750.0	0.06		45.0		45.0		
WATER FLOOD AREA	4 791.0	0.06	0.20	287.0	958.0	1 245.0		
UPPER MANNVILLE D	40.1	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE B	138.0	<0.01		0.1		0.1	0.1	
NISKU A	94.5	0.15		14.2		14.2	2.2	12.0
FIELD TOTAL	5 813.6			346.4	958.0	1 304.4	950.0	354.4
SKIFF 005-14W4								
SAWTOOTH A	1 430.0	0.15		215.0		215.0	149.9	65.1
SAWTOOTH B	133.0	0.10		13.3		13.3	8.8	4.5
SAWTOOTH C	12.1	<0.08		0.9		0.9	0.9	
FIELD TOTAL	1 575.1			229.2		229.2	159.6	69.6
ST ANNE 054-05W5								
NORDEGG A	84.9	0.10		8.5		8.5	3.0	5.5
BANFF A	488.0	0.05		24.4		24.4	20.8	3.6
BANFF B	193.0	<0.01		1.7		1.7	1.6	0.1
BANFF F	89.5	0.15		13.4		13.4	2.8	10.6
BANFF G	37.1	0.20		7.4		7.4	5.1	2.3
BANFF H	319.0	<0.01		0.2		0.2	0.2	
BANFF I	72.8	0.05		3.6		3.6	1.7	1.9
BANFF J	140.0	0.15		21.0		21.0	4.3	16.7
BANFF K	2 500.0	0.05		125.0		125.0	32.1	92.9
BANFF C & D	1 672.0	0.10		167.0		167.0	121.1	45.9
FIELD TOTAL	5 596.3			372.2		372.2	192.7	179.5
STEELE 065-25W4								
GRAND RAPIDS S	358.0	0.05		17.9		17.9	0.3	17.6
FIELD TOTAL	358.0			17.9		17.9	0.3	17.6
STROME 043-16W4								
GLAUCONITIC S	20.3	0.20		4.1		4.1	0.1	4.0
ELLERSLIE A	37.3	0.06		2.2		2.2	2.2	
ELLERSLIE C	109.0	<0.01		0.1		0.1	0.1	
ELLERSLIE D	235.0	0.05		11.8		11.8	4.4	7.4
FIELD TOTAL	401.6			18.2		18.2	6.8	11.4
SUFFIELD 018-06W4								
UPPER MANNVILLE A	6 800.0	0.02		136.0		136.0	95.7	40.3
UPPER MANNVILLE D	882.0	0.02		17.6		17.6	11.9	5.7
UPPER MANNVILLE F	346.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE H	81.5	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE J	33 080.0	0.10		3 308.0		3 308.0	1 835.4	1 472.6
UPPER MANNVILLE N	487.0	0.05		24.4		24.4	13.3	11.1
UPPER MANNVILLE O	137.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE Q	169.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE R	115.0	<0.01		0.8		0.8	0.8	
UPPER MANNVILLE S	114.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE T	265.0	0.05		13.3		13.3	2.9	10.4
UPPER MANNVILLE U	384.0	0.10	0.05	38.4	19.2	57.6	37.0	20.6
WATER FLOOD								
UPPER MANNVILLE V	229.0	<0.02		2.7		2.7	2.7	
UPPER MANNVILLE W	66.6	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	59.2	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE Y	249.0	0.02		5.0		5.0	0.8	4.2
UPPER MANNVILLE Z	187.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE EE	71.0	<0.01		0.5		0.5	0.5	
UPPER MANNVILLE FF	785.0	0.03		23.6		23.6	2.5	21.1
UPPER MANNVILLE HH	122.0	0.10	0.05	12.2	6.1	18.3	8.9	9.4
WATER FLOOD								
UPPER MANNVILLE II	276.0	0.01		2.8		2.8	1.5	1.3

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
949					21	963	28	9 140	885.7	1977	89 12
181	3.41	0.256	0.50	0.95							
768	3.35	0.280	0.30	0.95							- GPP
16	2.00	0.240	0.45	0.95	22	962	28	9 253	868.0	1980	88 12 - ABAND 89 12
16	5.00	0.330	0.45	0.95	66	866	64	8 980	862.5	1980	80 09
16	10.50	0.100	0.42	0.97	38	941	41	8 883	1 022.3	1989	89 12 - GPP
716	1.74	0.180	0.25	0.85	30	941	33	9 190	922.1	1964	88 12
64	1.84	0.170	0.26	0.90	30	940	31	9 368	916.5	1983	86 05 - GPP
16	1.00	0.120	0.30	0.90	22	964	31	9 320	919.0	1981	86 12 - ABAND 88 08
16	7.30	0.130	0.35	0.86	60	945	45	12 238	1 416.2	1984	86 07 - GPP
32	9.80	0.190	0.09	0.90	54	919	43	13 332	1 456.6	1978	83 11 - GPP
32	7.56	0.160	0.44	0.89	45	947	43	13 400	1 454.6	1981	92 10
16	4.00	0.210	0.26	0.90	60	932	38	9 932	1 438.2	1985	85 06 - GPP
32	1.50	0.120	0.30	0.92	45	940	44	13 418	1 466.0	1984	89 12 - GPP
32	9.89	0.178	0.37	0.90	50	904	45	13 241	1 463.5	1984	85 07 - ABAND 87 03
16	5.30	0.150	0.35	0.88	50	920	45	13 144	1 452.0	1985	91 12
16	8.40	0.200	0.40	0.87	50	904	45	13 043	1 447.7	1985	86 04 - GPP
285	7.92	0.190	0.33	0.87	54	919	43	13 396	1 445.7	1990	91 02
161	11.51	0.170	0.39	0.87	54	954	43	13 393	1 442.1	1981	88 05 - GPP
16	11.00	0.320	0.33	0.95	19	967	31	4 235	627.3	1988	89 01 - GPP
4	5.60	0.180	0.48	0.97	9	979	38	6 923	1 033.3	1989	90 02
16	1.50	0.210	0.22	0.95	20	936	30	7 434	1 040.8	1969	88 12
16	5.40	0.180	0.26	0.95	20	979	30	6 986	1 107.6	1986	87 11 - ABAND 88 04
16	7.88	0.250	0.19	0.92	23	950	34	7 010	1 043.0	1989	91 12 - GPP
640	6.47	0.250	0.27	0.90	35	986	36	11 020	947.5	1976	91 12 - GPP
64	7.47	0.260	0.22	0.91	43	940	32	9 890	966.6	1976	88 12 - GPP
16	11.89	0.250	0.20	0.91	35	937	28	11 120	938.2	1977	82 12
4	12.19	0.270	0.32	0.91	30	972	31	10 050	909.8	1977	92 11 - ABAND 77 11
1 530	11.00	0.270	0.20	0.91	27	979	28	10 410	923.6	1966	90 12 - GPP
32	8.04	0.260	0.20	0.91	30	971	32	10 000	956.8	1978	86 11
16	6.40	0.210	0.30	0.91	30	982	32	10 160	994.3	1978	88 12
16	6.50	0.270	0.34	0.91	43	983	30	10 400	926.8	1979	80 02 - ABAND 80 08
16	5.50	0.200	0.30	0.93	34	957	31	9 230	994.0	1980	89 12
16	5.20	0.250	0.40	0.91	42	982	32	10 432	894.0	1980	80 07
16	10.00	0.280	0.35	0.91	29	982	26	10 943	927.0	1980	86 12 - GPP
32	7.03	0.250	0.25	0.91	37	951	21	10 569	959.3	1980	92 07 - GPP
16	9.00	0.250	0.30	0.91	20	966	25	10 563	924.0	1980	88 12
16	2.60	0.220	0.20	0.91	44	951	30	10 233	960.3	1980	83 12
16	2.30	0.250	0.30	0.92	37	958	32	10 406	952.2	1980	83 12
32	7.30	0.180	0.35	0.91	37	925	29	10 188	962.2	1981	91 11 - GPP
64	1.50	0.330	0.35	0.91	35	967	31	9 834	1 004.5	1976	88 12
16	4.00	0.200	0.41	0.94	37	959	35	10 721	986.2	1977	84 08 - ABAND 85 10
16	23.20	0.280	0.17	0.91	28	983	27	9 131	935.8	1986	91 12 - GPP
26	2.46	0.260	0.23	0.95	28	967	24	9 623	962.0	1987	92 07 - GPP
4	32.40	0.300	0.22	0.91	28	982	27	10 419	941.1	1987	92 12 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
SUFFIELD 018-06W4 (CONTINUED)								
UPPER MANNVILLE JJ	59.7	0.10		6.0		6.0	3.2	2.8
LOWER MANNVILLE A	398.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE B	65.1	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE C	93.1	0.05		4.7		4.7	4.7	
LOWER MANNVILLE D	76.1	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE E	102.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE G	134.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE H	67.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE I	88.1	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE J	80.4	<0.02		1.2		1.2	1.2	
LOWER MANNVILLE K	128.0	0.05		6.4		6.4	2.6	3.8
LOWER MANNVILLE L	156.0	<0.02		1.7		1.7	1.7	
LOWER MANNVILLE M	100.0	0.05		5.0		5.0	4.2	0.8
LOWER MANNVILLE N	150.0	0.08		12.0		12.0	10.7	1.3
LOWER MANNVILLE P	1 659.0	0.10		166.0		166.0	107.6	58.4
LOWER MANNVILLE Q	12.7	<0.02		0.2		0.2	0.2	
PEKISKO A	431.0	0.05		21.6		21.6	0.7	20.9
PEKISKO B	60.6	0.10		6.1		6.1	0.1	6.0
FIELD TOTAL	48 766.1			3 818.8	25.3	3 844.1	2 153.4	1 690.7
SUNNYNOOK 026-11W4								
BASAL MANNVILLE F	120.0	<0.01		0.8		0.8	0.8	
FIELD TOTAL *	120.0			0.8		0.8	0.8	
SUPERBA 026-03W4								
DETRITAL A	213.0	<0.01		0.1		0.1	0.1	
FIELD TOTAL	213.0			0.1		0.1	0.1	
SWIMMING 052-06W4								
UPPER MANNVILLE A	92.6	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE C	409.0	<0.01		0.9		0.9	0.9	
COLONY A	89.8	<0.02		1.3		1.3	1.3	
COLONY F	129.0	<0.01		0.2		0.2	0.2	
SPARKY A	98.8	<0.01		0.4		0.4	0.4	
SPARKY B	64.3	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM A	148.0	0.03		4.4		4.4	1.1	3.3
GENERAL PETROLEUM B	208.0	0.05		10.4		10.4	8.0	2.4
FIELD TOTAL	1 239.5			18.1		18.1	12.4	5.7
TABER 009-17W4								
GLAUCONITIC A	84.2	0.05		4.2		4.2	2.2	2.0
GLAUCONITIC B	188.0	0.05		9.4		9.4	1.9	7.5
GLAUCONITIC C	49.8	0.10		5.0		5.0	0.2	4.8
GLAUCONITIC D	1 226.0	0.30		368.0		368.0	135.6	232.4
GLAUCONITIC E	160.0	0.10		16.0		16.0	2.3	13.7
TABER A	181.0	0.03		5.4		5.4	4.7	0.7
TABER B	406.0	0.18		73.1		73.1	52.4	20.7
TABER C	11.8	<0.01		0.1		0.1	0.1	
TABER D	59.7	0.10		6.0		6.0	0.1	5.9
TABER E	106.0	0.10		10.6		10.6	0.8	9.8
TABER F	624.0	0.10		62.4		62.4	6.5	55.9
TABER G	159.0	0.05		8.0		8.0	6.3	1.7
TABER I	3 900.0	0.10		390.0		390.0	87.6	302.4
TABER J	129.0	<0.01		0.2		0.2	0.2	
TABER K	39.6	<0.01		0.2		0.2	0.2	
TABER L	1 193.0	0.25		298.0		298.0	258.9	39.1
TABER M	658.0	0.05		32.9		32.9	27.1	5.8
TABER N TOTAL	12 100.0			892.0	1 728.0	2 620.0	2 152.7	467.3
PRIMARY AREA	2 500.0	0.10		250.0		250.0		
WATER FLOOD AREA	9 600.0	<0.07	0.18	642.0	1 728.0	2 370.0		
TABER O	25.0	<0.01		0.1		0.1	0.1	
TABER P	1 174.0	0.10		117.0		117.0	57.0	60.0
TABER Q & SAWTOOTH A	3 729.0	0.15		559.0		559.0	195.1	363.9
FIELD TOTAL	26 203.1			2 857.6	1 728.0	4 585.6	2 992.0	1 593.6

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
16	2.50	0.220	0.27	0.93	29	955	32	9 596	934.4	1989	90 03 - GPP
65	7.01	0.160	0.40	0.91	35	952	35	9 590	1 001.9	1976	76 11 - ABAND 77 05
16	2.13	0.280	0.25	0.91	34	952	33	10 180	982.0	1977	83 12 - ABAND 86 03
32	2.46	0.200	0.35	0.91	27	972	34	9 080	951.6	1977	89 12 - ABAND 92 06
16	3.35	0.240	0.35	0.91	32	965	32	10 780	981.5	1977	78 04 - ABAND 78 05
16	4.57	0.220	0.30	0.91	32	959	27	10 960	1 008.0	1977	83 12 - ABAND 82 01
16	7.32	0.210	0.40	0.91	47	990	25	10 110	904.0	1978	78 11
16	3.30	0.210	0.35	0.93	30	986	33	10 060	914.9	1978	79 05
16	6.10	0.190	0.50	0.95	9	990	32	10 520	892.5	1978	88 12
16	3.40	0.250	0.35	0.91	30	969	35	10 560	1 006.0	1978	79 04 - ABAND 80 04
16	5.70	0.220	0.30	0.91	45	943	45	10 600	967.0	1980	92 11
16	6.30	0.230	0.25	0.90	27	978	31	11 166	967.3	1979	81 03 - ABAND 89 03
32	2.08	0.330	0.50	0.91	34	951	36	10 565	997.7	1982	83 12 - GPP
16	7.21	0.210	0.32	0.91	44	965	35	10 660	972.2	1978	90 12 - GPP
112	9.69	0.240	0.30	0.91	37	952	32	10 690	975.7	1977	85 12 - GPP
2	4.90	0.200	0.33	0.97	11	986	33	10 736	967.6	1988	92 10
64	13.50	0.080	0.30	0.89	47	894	34	10 679	983.5	1988	88 10
16	9.30	0.060	0.30	0.97	10	977	32	10 670	984.3	1988	88 12
32	2.00	0.250	0.20	0.94	27	940	35	10 070	1 059.0	1978	83 12 - ABAND 84 10
16	8.50	0.300	0.45	0.95	18	958	34	9 135	930.2	1981	85 12
16	2.10	0.320	0.13	0.99	10	977	25	4 190	565.6	1978	83 12 - ABAND 83 05
8	19.10	0.300	0.10	0.99	10	985	25	4 937	509.7	1981	92 11
16	3.00	0.270	0.30	0.99	10	985	25	4 854	502.5	1980	88 12 - GPP
16	3.20	0.300	0.15	0.99	10	990	28	5 009	518.6	1980	82 10 - ABAND 84 08
16	3.20	0.300	0.35	0.99	7	985	25	3 904	536.4	1979	88 12 - GPP
16	2.00	0.290	0.30	0.99	7	990	25	4 011	547.5	1979	84 07 - ABAND 84 01
16	4.20	0.310	0.28	0.99	9	987	27	4 251	571.9	1983	84 07 - GPP
16	6.00	0.300	0.27	0.99	9	976	27	4 285	575.5	1980	82 05
64	1.00	0.200	0.30	0.94	17	947	29	11 177	977.5	1983	84 05 - GPP
16	6.50	0.260	0.22	0.89	57	835	30	10 170	961.5	1989	91 07
16	3.10	0.240	0.56	0.95	17	880	29	10 351	960.1	1990	90 11 - GPP
112	5.54	0.260	0.20	0.95	17	879	29	10 505	957.3	1991	92 10 - GPP
16	5.80	0.250	0.28	0.96	15	946	33	10 553	965.4	1989	90 01 - GPP
50	3.10	0.210	0.41	0.94	23	946	33	10 677	995.5	1944	92 12 - GPP
100	3.32	0.200	0.35	0.94	23	921	33	10 422	993.0	1978	84 12 - GPP
16	1.00	0.150	0.49	0.96	15	955	36	9 986	972.5	1984	85 06 - ABAND 86 04
16	4.39	0.167	0.47	0.96	15	947	33	10 760	968.2	1988	89 05
16	4.10	0.190	0.11	0.96	15	946	33	10 523	990.5	1989	89 01 - GPP
157	4.12	0.180	0.43	0.94	23	921	80	9 836	987.2	1991	92 01
16	8.00	0.210	0.37	0.94	20	945	38	10 768	983.5	1985	92 01 - GPP
192	13.72	0.210	0.25	0.94	20	883	33	9 917	975.3	1990	91 01
32	4.80	0.175	0.50	0.96	15	930	36	9 222	1 003.3	1985	85 10 - ABAND 91 01
16	2.30	0.170	0.34	0.96	15	928	23	10 675	956.9	1985	86 04 - ABAND 90 05
288	4.08	0.180	0.40	0.94	23	921	33	10 180	980.5	1944	92 02 - GPP
67	7.54	0.210	0.34	0.94	20	946	38	10 760	986.0	1937	92 01 - GPP
1 459					16	940	36	10 595	973.6	1942	89 12
319	5.92	0.210	0.35	0.97							- GPP
1 140	6.20	0.209	0.33	0.97							- GPP
16	1.83	0.150	0.40	0.95	28	940	26	10 470	964.7	1974	92 07 - GPP
176	6.12	0.200	0.42	0.94	23	921	33	10 780	981.4	1945	92 06 - GPP
345	8.23	0.190	0.28	0.96	15	940	33	10 454	959.5	1989	92 09 - GPP

TABLE 2-6

FIELD POOL	1	2 3		4	5	6	7	8
	INITIAL VOLUME IN PLACE 10 ³ m ³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10 ³ m ³	REMAINING ESTABLISHED RESERVES 10 ³ m ³
		PRIMARY frac	ENHANCED frac	PRIMARY 10 ³ m ³	ENHANCED 10 ³ m ³	TOTAL 10 ³ m ³		
TABER NORTH 011-16W4								
GLAUCONITIC A	7 997.0	<0.36		2 800.0		2 800.0	2 173.7	626.3
GLAUCONITIC C TOTAL	2 653.0			317.0	259.0	576.0	424.8	151.2
PRIMARY AREA	64.3	0.10		6.4		6.4		
WATER FLOOD AREA	2 589.0	0.12	0.10	311.0	259.0	570.0		
GLAUCONITIC D	35.3	<0.03		1.0		1.0	1.0	
GLAUCONITIC E	1 940.0	0.20		388.0		388.0	257.9	130.1
GLAUCONITIC H	234.0	0.10		23.4		23.4	8.4	15.0
GLAUCONITIC J	54.3	0.15		8.1		8.1	6.6	1.5
GLAUCONITIC K	62.8	0.20		12.6		12.6	0.4	12.2
OSTRACOD A	27.1	0.10		2.7		2.7	1.4	1.3
TABER A	1 950.0	0.12		235.0		235.0	219.5	15.5
TABER B	556.0	0.10		55.6		55.6	45.4	10.2
TABER C	2 489.0	0.10		249.0		249.0	224.5	24.5
TABER D	1 998.0	0.15		300.0		300.0	256.3	43.7
TABER E	344.0	0.10		34.4		34.4	33.8	0.6
TABER I	115.0	0.15		17.3		17.3	15.2	2.1
TABER J	229.0	<0.01		0.2		0.2	0.2	
TABER K	1 242.0	0.25		311.0		311.0	263.3	47.7
TABER L	98.8	<0.01		0.7		0.7	0.7	
TABER M	158.0	<0.01		0.1		0.1	0.1	
TABER O	999.0	0.15		150.0		150.0	107.3	42.7
TABER S	46.6	<0.02		0.8		0.8	0.8	
TABER T	49.3	0.10		4.9		4.9	0.4	4.5
TABER U	61.0	<0.01		0.2		0.2	0.2	
TABER V	447.0	0.05		22.4		22.4	6.6	15.8
TABER W	152.0	0.10		15.2		15.2	5.5	9.7
SAWTOOTH A	48.4	0.01		0.5		0.5	0.5	
FIELD TOTAL	23 986.6			4 950.1	259.0	5 209.1	4 054.5	1 154.6
TABER SOUTH 007-16W4								
MANNVILLE A TOTAL	9 939.0			497.0	934.0	1 431.0	1 157.4	273.6
PRIMARY AREA	600.0	0.05		30.0		30.0		
WATER FLOOD AREA	9 339.0	0.05	0.10	467.0	934.0	1 401.0		
MANNVILLE B	6 998.0	0.07	0.28	490.0	1 960.0	2 450.0	2 144.5	305.5
WATER FLOOD								
MANNVILLE D	400.0	0.10		40.0		40.0	20.1	19.9
MANNVILLE F	756.0	0.06		45.4		45.4	40.6	4.8
MANNVILLE H	66.0	<0.01		0.5		0.5	0.5	
MANNVILLE L	388.0	0.02		7.8		7.8	2.7	5.1
MANNVILLE M TOTAL	402.0			20.0	53.0	73.0	18.3	54.7
PRIMARY AREA	137.0	0.05		6.8		6.8		
WATER FLOOD AREA	265.0	0.05	0.20	13.2	53.0	66.2		
GLAUCONITIC A	403.0	0.04		16.1		16.1	13.6	2.5
GLAUCONITIC B	51.6	0.05		2.6		2.6	1.7	0.9
GLAUCONITIC C	766.0	0.05		38.3		38.3	25.6	12.7
GLAUCONITIC E	218.0	0.10		21.8		21.8	1.6	20.2
SAWTOOTH A	32.3	0.10		3.2		3.2	2.0	1.2
TURNER VALLEY A	505.0	0.05		25.3		25.3	8.5	16.8
FIELD TOTAL	20 924.9			1 208.0	2 947.0	4 155.0	3 437.1	717.9
TABER SOUTH-EAST 008-15W4								
MANNVILLE A	1 462.0	0.15		219.0		219.0	196.2	22.8
MANNVILLE B	217.0	<0.01		0.2		0.2	0.2	
MANNVILLE C	336.0	0.07		23.5		23.5	18.9	4.6
MANNVILLE D	680.0	0.15		102.0		102.0	59.4	42.6
MANNVILLE E	184.0	0.10		18.4		18.4	17.2	1.2
MANNVILLE F	34.4	0.10		3.4		3.4	1.5	1.9
FIELD TOTAL	2 913.4			366.5		366.5	293.4	73.1
TOMAHAWK 052-05W5								
ELLERSLIE A	141.0	<0.01		0.8		0.8	0.8	
ELLERSLIE B	73.8	0.10		7.4		7.4	1.2	6.2
FIELD TOTAL *	214.8			8.2		8.2	2.0	6.2
TURIN 010-18W4								
FISH SCALE B	99.4	0.03		3.0		3.0	1.4	1.6
SAWTOOTH A	21.4	0.15		3.2		3.2	2.4	0.8

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
386	11.75	0.240	0.21	0.93	17	879	30	10 650	948.5	1979	84 09 - GPP
408					57	894	30	11 382	979.1	1980	91 12 - GPP
64	1.10	0.140	0.25	0.87							
344	6.07	0.190	0.25	0.87							
16	4.80	0.100	0.50	0.92	36	937	32	7 429	974.5	1981	89 12
184	5.78	0.240	0.20	0.95	17	899	29	10 765	951.0	1978	86 01 - GPP
32	5.50	0.200	0.30	0.95	17	899	29	10 096	959.7	1984	86 01 - GPP
16	4.10	0.150	0.40	0.92	17	889	29	9 865	934.4	1986	90 12 - GPP
64	1.10	0.170	0.41	0.89	57	835	30	10 822	944.6	1983	90 09 - GPP
16	1.40	0.200	0.37	0.96	79	945	33	9 805	988.1	1990	91 07 - GPP
713	2.77	0.210	0.50	0.94	32	887	29	11 030	979.3	1966	70 08 - GPP
184	2.59	0.200	0.38	0.94	16	887	31	11 290	970.8	1967	84 12 - GPP
267	7.63	0.200	0.35	0.94	22	940	37	11 110	991.5	1974	86 12 - GPP
365	5.27	0.170	0.35	0.94	21	940	32	11 100	997.0	1976	83 12 - GPP
48	6.90	0.160	0.31	0.94	27	940	32	10 810	988.3	1977	80 04 - GPP
32	5.00	0.150	0.49	0.94	25	940	32	10 704	967.3	1981	85 12 - GPP
64	3.20	0.170	0.30	0.94	20	884	33	10 582	977.4	1982	87 12 - ABAND 89 06
368	3.15	0.190	0.40	0.94	15	896	54	10 407	965.9	1983	91 12
32	2.50	0.180	0.27	0.94	25	924	35	10 613	981.9	1983	83 11 - ABAND 84 04
64	3.60	0.140	0.48	0.94	15	893	54	10 758	981.2	1983	84 05 - ABAND 88 11
296	4.34	0.160	0.46	0.90	38	934	32	10 045	969.1	1983	92 09
16	2.50	0.200	0.38	0.94	16	887	33	8 885	978.3	1981	88 12 - ABAND 92 02
16	2.20	0.200	0.27	0.96	14	945	33	9 183	987.4	1987	88 06 - GPP
16	4.10	0.180	0.45	0.94	20	884	33	10 300	988.6	1988	89 05 - ABAND 91 03
64	6.45	0.180	0.36	0.94	15	893	54	10 292	999.2	1989	91 07 - GPP
65	2.00	0.190	0.36	0.96	14	945	33	9 728	986.8	1989	91 06 - GPP
16	2.20	0.230	0.35	0.92	35	895	29	10 560	992.6	1980	89 12
1 306					7	946	35	10 000	990.7	1963	88 12
183	2.60	0.200	0.35	0.97							
1 123	6.97	0.205	0.40	0.97							- GPP
501	7.62	0.260	0.25	0.94	16	940	41	9 890	984.8	1963	90 08 - GPP
99	2.64	0.220	0.21	0.88	46	898	31	9 523	979.5	1965	91 08
188	4.23	0.200	0.51	0.97	6	939	32	9 364	1 004.4	1979	90 10 - GPP
32	3.00	0.156	0.55	0.98	6	920	32	9 775	978.4	1984	84 06 - ABAND 87 01
93	3.69	0.170	0.30	0.95	15	945	36	8 306	1 037.7	1978	90 10 - GPP
60					7	946	35	8 623	985.5	1988	92 02
16	7.40	0.190	0.37	0.97							
44	3.94	0.210	0.25	0.97							
59	6.34	0.180	0.37	0.95	17	899	29	9 516	981.3	1983	90 10 - GPP
16	2.70	0.160	0.23	0.97	15	935	33	9 937	983.4	1984	85 05 - GPP
64	6.68	0.230	0.18	0.95	17	914	29	9 775	988.7	1986	87 04
32	7.70	0.190	0.52	0.97	11	944	30	9 601	1 002.3	1990	92 04
64	0.70	0.120	0.36	0.94	24	899	33	10 174	1 007.2	1990	90 12 - GPP
64	7.50	0.160	0.30	0.94	24	897	31	10 279	1 013.3	1986	86 08 - GPP
380	3.41	0.200	0.40	0.94	16	915	29	10 070	972.6	1963	85 12 - GPP
24	8.45	0.190	0.40	0.94	16	945	36	10 000	974.5	1965	92 12 - GPP
64	5.96	0.170	0.46	0.96	16	934	36	9 780	949.2	1973	89 12 - GPP
351	1.80	0.200	0.44	0.96	10	915	32	10 140	963.5	1974	92 11 - GPP
64	2.98	0.200	0.50	0.96	10	915	32	9 623	969.3	1974	87 12 - GPP
32	2.00	0.160	0.65	0.96	10	917	32	9 847	986.3	1987	88 07 - GPP
32	6.00	0.150	0.43	0.86	58	978	52	15 989	1 707.0	1979	80 02 - ABAND 91 01
16	4.00	0.180	0.34	0.97	45	957	46	14 135	1 619.5	1988	88 12 - GPP
65	1.22	0.220	0.40	0.95	20	881	27	4 870	684.6	1975	76 02 - GPP
16	1.50	0.160	0.36	0.87	53	875	28	11 303	1 095.3	1988	88 12 - GPP

TABLE 2-6

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10 ³ m ³	frac	frac	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³	10 ³ m ³
TURIN 010-18W4 (CONTINUED)								
SAWTOOTH B	48.8	0.10		4.9		4.9	1.5	3.4
FIELD TOTAL *	169.6			11.1		11.1	5.3	5.8
VERGER 022-15W4								
MANNVILLE A	78.2	<0.01		0.3		0.3	0.3	
MANNVILLE D	279.0	<0.02		4.7		4.7	4.7	
MANNVILLE F	149.0	0.10		14.9		14.9	6.0	8.9
MANNVILLE I	311.0	0.10		31.1		31.1	2.6	28.5
UPPER MANNVILLE C	1 085.0	<0.03		25.0		25.0	21.1	3.9
FIELD TOTAL *	1 902.2			76.0		76.0	34.7	41.3
VERMILION 050-05W4								
SPARKY A	7 722.0	0.09		695.0		695.0	613.3	81.7
FIELD TOTAL	7 722.0			695.0		695.0	613.3	81.7
VIKING-KINSELLA 047-11W4								
UPPER MANNVILLE B	291.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE C	77.2	0.05		3.9		3.9	3.8	0.1
UPPER MANNVILLE K	100.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE R	191.0	<0.01		1.3		1.3	1.3	
UPPER MANNVILLE X	39.8	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE CC	75.2	<0.02		1.2		1.2	1.2	
UPPER MANNVILLE QQ	146.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE CCC	469.0	0.05		23.5		23.5	4.8	18.7
COLONY YY	127.0	<0.01		0.1		0.1	0.1	
COLONY ZZ	82.6	<0.01		0.5		0.5	0.5	
COLONY QQQ	139.0	<0.01		0.3		0.3	0.3	
COLONY ZZZ	82.1	<0.01		0.6		0.6	0.6	
SPARKY E	99.5	<0.01		0.5		0.5	0.5	
SPARKY F TOTAL	5 342.0			267.0	1 483.0	1 750.0	861.9	888.1
PRIMARY AREA	400.0	0.05		20.0		20.0		
WATER FLOOD AREA	4 942.0	0.05	0.30	247.0	1 483.0	1 730.0		
SPARKY G	241.0	<0.01		0.6		0.6	0.6	
SPARKY I	209.0	0.10		20.9		20.9	9.3	11.6
SPARKY J	308.0	<0.01		0.6		0.6	0.6	
WAINWRIGHT B	20 910.0	<0.06	0.20	1 057.0	4 182.0	5 239.0	4 828.5	410.5
WATER FLOOD								
WAINWRIGHT D	1 022.0	<0.03		22.3		22.3	22.3	
WAINWRIGHT E	78.7	0.01		0.8		0.8	0.8	
WAINWRIGHT H	136.0	<0.01		0.7		0.7	0.7	
WAINWRIGHT I	76.5	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE K	92.5	<0.01		0.2		0.2	0.2	
D-2 H	31.5	0.10		3.2		3.2	2.6	0.6
D-2 J	138.0	0.05		6.9		6.9	5.0	1.9
FIELD TOTAL	30 504.6			1 413.2	5 665.0	7 078.2	5 746.7	1 331.5
WAINWRIGHT 045-06W4								
VIKING COLONY	137.0	0.07		9.6		9.6	6.1	3.5
G.R.V.W. & EE								
COLONY P	63.0	0.07		4.4		4.4	3.7	0.7
COLONY CC	686.0	0.10		68.6		68.6	60.4	8.2
COLONY MM	37.7	<0.01		0.1		0.1	0.1	
COLONY NN	21.2	<0.01		0.1		0.1	0.1	
COLONY CCC	42.6	0.10		4.3		4.3	0.1	4.2
COLONY JJJ	153.0	0.10		15.3		15.3	1.0	14.3
SPARKY B	439.0	0.05		22.0		22.0	17.1	4.9
SPARKY C	329.0	0.03		9.9		9.9	1.3	8.6
SPARKY F	91.2	0.05		4.6		4.6	1.9	2.7
SPARKY G	99.0	0.05		5.0		5.0	4.8	0.2
SPARKY H	50.2	<0.01		0.1		0.1	0.1	
SPARKY J TOTAL	416.0			25.0	43.4	68.4	58.8	9.6
PRIMARY AREA	106.0	0.06		6.4		6.4		
WATER FLOOD AREA	310.0	0.06	0.14	18.6	43.4	62.0		
SPARKY K	31.2	0.05		1.6		1.6	0.9	0.7
SPARKY L	31.0	0.05		1.6		1.6	0.6	1.0
SPARKY N	46.2	<0.01		0.1		0.1	0.1	

HEAVY CRUDE OIL POOLS

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
16	2.90	0.220	0.45	0.87	53	875	28	10 560	1 017.0	1990	90 12 - GPP
16	4.00	0.200	0.35	0.94	19	960	40	10 378	1 062.9	1960	83 12 - ABAND 83 10
192	2.56	0.180	0.65	0.90	41	915	46	10 400	1 062.8	1970	92 11 - GPP
64	1.50	0.260	0.33	0.89	45	892	38	9 961	1 170.3	1980	85 04 - GPP
64	3.20	0.250	0.31	0.88	55	890	36	11 225	1 026.9	1991	92 03 - GPP
192	6.58	0.160	0.39	0.88	57	881	36	10 130	983.1	1970	92 12 - GPP
1 325	2.71	0.280	0.20	0.96	11	965	27	3 585	560.8	1939	92 12 - GPP
65	2.13	0.290	0.23	0.94	21	927	34	4 830	717.5	1973	82 12
16	3.35	0.250	0.40	0.96	18	946	28	4 680	688.2	1975	82 12 - GPP
65	0.91	0.290	0.39	0.96	19	952	29	5 360	765.7	1975	77 03 - ABAND 87 06
16	7.70	0.300	0.45	0.94	21	927	31	6 510	752.2	1972	92 11
16	1.50	0.270	0.36	0.96	18	970	29	5 680	744.2	1978	79 04 - ABAND 86 10
16	2.40	0.300	0.32	0.96	10	939	33	5 210	733.0	1979	80 07 - ABAND 87 10
16	5.40	0.280	0.37	0.96	17	949	30	5 401	746.0	1980	88 12
192	1.87	0.233	0.34	0.85	64	864	33	4 927	765.3	1978	84 01 - GPP
64	1.30	0.320	0.50	0.95	21	946	28	4 817	652.7	1981	88 12
16	2.40	0.320	0.30	0.96	17	964	25	4 627	620.7	1976	92 10
16	4.60	0.300	0.30	0.90	18	961	92	3 032	601.7	1976	84 11
16	4.00	0.250	0.43	0.90	38	926	28	5 239	741.0	1991	92 06 - ABAND 92 02
16	2.90	0.330	0.33	0.97	10	950	20	5 030	658.6	1985	92 10
1 184					18	928	28	5 618	721.3	1981	92 12
176	1.41	0.240	0.30	0.96							- GPP
1 008	3.04	0.240	0.30	0.96							- ABAND 88 03
32	3.49	0.300	0.25	0.96	17	934	28	5 008	656.3	1985	87 11 - ABAND 88 03
32	4.00	0.280	0.38	0.94	21	910	30	5 381	772.0	1988	90 12
16	13.80	0.200	0.28	0.97	13	931	24	5 381	730.5	1988	89 05 - ABAND 89 09
3 134	3.46	0.300	0.33	0.96	15	927	27	4 840	653.2	1973	91 09 - GPP
156	3.46	0.290	0.32	0.96	17	965	28	5 240	687.0	1976	92 10
16	2.44	0.280	0.25	0.96	17	965	27	5 050	672.7	1976	89 12 - ABAND 92 03
32	2.21	0.300	0.34	0.97	15	958	27	4 980	688.1	1978	83 12
16	2.20	0.310	0.27	0.96	10	956	34	4 970	740.9	1978	82 12 - ABAND 87 10
16	2.70	0.300	0.17	0.86	70	990	31	5 610	843.1	1977	83 12
16	2.48	0.126	0.35	0.97	20	970	28	4 868	761.8	1986	86 10 - GPP
16	6.70	0.170	0.22	0.97	20	970	28	4 696	625.5	1987	88 03 - GPP
32	1.95	0.330	0.30	0.95	20	946	30	5 507	605.3	1929	83 04 - GPP
16	1.83	0.310	0.27	0.95	15	946	27	3 990	626.7	1972	85 12 - GPP
96	3.51	0.300	0.30	0.97	16	955	31	4 340	590.1	1973	88 12 - GPP
16	1.70	0.280	0.50	0.99	12	947	25	4 444	644.1	1984	88 12
16	1.00	0.250	0.43	0.93	29	980	28	3 900	591.9	1982	85 09 - ABAND 86 01
16	2.00	0.290	0.46	0.85	20	930	25	4 146	588.6	1980	90 06 - GPP
16	6.00	0.240	0.30	0.95	23	953	22	4 130	631.0	1991	92 04 - GPP
48	7.42	0.250	0.47	0.93	14	959	27	4 340	645.0	1967	88 12 - GPP
65	2.13	0.330	0.25	0.96	16	959	31	4 343	657.0	1975	77 12
32	2.28	0.240	0.44	0.93	15	921	27	3 850	639.7	1975	79 11 - GPP
32	2.00	0.260	0.38	0.96	16	945	25	4 510	635.5	1978	81 12 - GPP
16	3.00	0.220	0.50	0.95	23	950	28	4 519	627.6	1980	80 09
156					14	960	30	4 547	657.9	1957	87 12 - GPP
56	1.20	0.270	0.37	0.93							
100	1.96	0.270	0.37	0.93							
8	2.50	0.250	0.33	0.93	32	904	30	4 340	615.8	1981	92 10 - GPP
8	2.30	0.270	0.35	0.96	16	921	33	4 816	614.4	1982	92 10 - GPP
16	2.70	0.230	0.50	0.93	14	960	25	4 324	648.2	1983	88 12 - ABAND 89 11

TABLE 2-6

FIELD POOL	1	3		4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	103m3	frac	frac	103m3	103m3	103m3	103m3	103m3
WAINWRIGHT 045-06W4 (CONTINUED)								
SPARKY Q	51.2	<0.01		0.1		0.1		0.1
SPARKY P	44.2	<0.01		0.3		0.3	0.3	
SPARKY R	34.8	<0.01		0.1		0.1	0.1	
SPARKY U	24.7	<0.01		0.1		0.1	0.1	
SPARKY W	39.5	<0.01		0.1		0.1		0.1
SPARKY X	40.0	<0.01		0.2		0.2	0.2	
SPARKY Y	26.1	0.05		1.3		1.3	0.2	1.1
SPARKY Z	34.2	0.10		3.4		3.4	2.7	0.7
SPARKY BB	176.0	0.05		8.8		8.8	0.1	8.7
WAINWRIGHT B TOTAL	4 338.0			217.0	497.0	714.0	185.5	528.5
PRIMARY AREA	1 229.0	0.05		61.5		61.5		
WATER FLOOD AREA	3 109.0	0.05	0.16	155.0	497.0	652.0		
WAINWRIGHT C TOTAL	2 098.0			160.0	14.8	175.0	118.4	56.6
PRIMARY AREA	1 728.0	0.08		138.0		138.0		
WATER FLOOD AREA	370.0	0.06	0.04	22.2	14.8	37.0		
WAINWRIGHT & SPARKY A TOTAL	45 110.0			3 035.0	10 980.0	14 020.0	12 061.6	1 958.4
PRIMARY AREA	4 445.0	0.10		445.0		445.0		
WATER FLOOD AREA	40 660.0	<0.07	0.27	2 590.0	10 980.0	13 570.0		
GENERAL PETROLEUM B	81.2	<0.01		0.4		0.4	0.4	
GENERAL PETROLEUM C	24.0	0.10		2.4		2.4	1.3	1.1
REX A	80.0	0.03		2.4		2.4	0.3	2.1
REX B	5.5	0.05		0.3		0.3	0.2	0.1
LLOYDMINSTER A	133.0	0.10		13.3		13.3	12.0	1.3
LLOYDMINSTER B	128.0	<0.04		4.0		4.0	4.0	
LLOYDMINSTER C	88.9	<0.01		0.1		0.1	0.1	
DETRITAL B	68.6	0.10		6.9		6.9	0.1	6.8
NISKU A	4 573.0	0.08		366.0		366.0	277.8	88.2
NISKU E	29.8	0.20		6.0		6.0	3.3	2.7
NISKU F	19.4	<0.01		0.1		0.1	0.1	
CAMROSE A	2 080.0	0.13		270.0		270.0	163.4	106.6
FIELD TOTAL	62 001.4			4 270.6	11 535.2	15 811.0	12 989.3	2 821.7
WARWICK 052-14W4								
UPPER MANNVILLE J	726.0	<0.04		23.6		23.6	23.6	
UPPER MANNVILLE V	38.2	<0.01		0.1		0.1	0.1	
FIELD TOTAL	764.2			23.7		23.7	23.7	
WILDMERE 048-05W4								
UPPER MANNVILLE A	69.1	<0.03		1.8		1.8	1.8	
COLONY I	338.0	0.05		16.9		16.9	5.1	11.8
COLONY U	151.0	<0.01		0.1		0.1	0.1	
COLONY BB & WASECA A	1 102.0	0.02		22.0		22.0	0.4	21.6
SPARKY B	4 080.0	0.06		245.0		245.0	212.5	32.5
SPARKY G	164.0	0.05		8.2		8.2	4.7	3.5
SPARKY H	200.0	0.05		10.0		10.0	5.6	4.4
SPARKY I	40.2	<0.01		0.1		0.1	0.1	
SPARKY M	65.6	<0.01		0.1		0.1	0.1	
SPARKY N	10 800.0	0.02		216.0		216.0	122.4	93.6
SPARKY O	733.0	0.05		36.7		36.7	8.5	28.2
SPARKY P	37.8	0.05		1.9		1.9		1.9
SPARKY Q	115.0	<0.01		0.1		0.1	0.1	
SPARKY R & GENERAL PETROLEUM C	119.0	<0.01		0.1		0.1	0.1	
SPARKY J & GENERAL PETROLEUM B	180.0	<0.01		1.6		1.6	1.6	
GENERAL PETROLEUM A	400.0	0.05		20.0		20.0	16.8	3.2
GENERAL PETROLEUM D	101.0	<0.01		0.1		0.1	0.1	
LLOYDMINSTER B	217.0	<0.01		1.4		1.4	1.4	
LLOYDMINSTER C	2 050.0	0.03		61.5		61.5	27.4	34.1
LLOYDMINSTER D	401.0	0.02		8.0		8.0	3.4	4.6
LLOYDMINSTER E	140.0	<0.02		1.6		1.6	1.6	
LLOYDMINSTER F	190.0	<0.01		0.3		0.3	0.3	
LLOYDMINSTER G	143.0	<0.01		0.3		0.3	0.3	
LLOYDMINSTER H	133.0	<0.01		0.2		0.2	0.2	
LLOYDMINSTER I	97.0	0.05		4.9		4.9	2.2	2.7
LLOYDMINSTER K	184.0	<0.01		0.2		0.2	0.2	
LLOYDMINSTER L	169.0	0.05		8.5		8.5	5.3	3.2
LLOYDMINSTER M	177.0	0.05		8.9		8.9	2.3	6.6

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
16	2.50	0.250	0.45	0.93	14	960	23	3 981	626.3	1984	88 12 - ABAND 90 05
16	2.00	0.270	0.45	0.93	14	960	27	4 417	627.5	1984	84 09 - ABAND 85 08
16	1.70	0.250	0.45	0.93	20	960	25	3 252	630.3	1984	84 11 - ABAND 90 05
16	1.20	0.260	0.48	0.95	12	960	23	3 904	652.0	1984	89 12
16	1.60	0.280	0.42	0.95	21	980	28	4 221	634.4	1985	85 09 - ABAND 85 12
16	1.70	0.280	0.44	0.94	12	939	26	4 110	614.1	1985	88 12
16	1.30	0.270	0.50	0.93	12	924	26	4 369	680.8	1985	86 04 - GPP
32	0.71	0.270	0.40	0.93	12	930	25	4 200	634.9	1985	91 12 - GPP
32	3.20	0.280	0.36	0.96	15	920	33		672.4	1988	89 08
904					14	904	27	4 527	662.8	1974	92 11
189	4.40	0.270	0.43	0.96							- GPP
715	3.05	0.270	0.45	0.96							
363					15	921	27	4 770	690.2	1931	91 12
305	3.55	0.260	0.34	0.93							- GPP
58	4.00	0.260	0.34	0.93							- GPP
6 828					15	921	27	4 830	639.5	1923	92 12 - GPP
941	2.49	0.300	0.32	0.93							
5 887	3.25	0.313	0.27	0.93							
8	5.18	0.310	0.32	0.93	24	904	23	4 450	638.6	1975	92 11 - ABAND 76 02
8	2.70	0.240	0.50	0.93	10	906	30	4 565	662.2	1985	87 07 - GPP
16	3.50	0.240	0.38	0.96	16	893	26	5 783	647.0	1986	92 12
16	0.70	0.220	0.75	0.90	43	924	32	6 210	695.9	1985	89 02 - GPP
10	7.92	0.300	0.40	0.93	14	921	28	4 310	654.4	1968	90 12 - GPP
16	3.39	0.330	0.25	0.95	32	959	28	4 480	679.7	1974	92 11 - ABAND 83 03
16	3.00	0.300	0.35	0.95	21	952	28	4 517	663.8	1981	82 05 - ABAND 81 12
16	2.50	0.330	0.35	0.80	90	855	29	4 425	688.7	1984	87 12
606	6.80	0.170	0.32	0.96	14	957	24	3 493	641.5	1982	88 12
16	4.90	0.090	0.56	0.96	15	953	25	4 337	664.8	1985	92 12 - GPP
16	3.00	0.100	0.58	0.96	15	953	24	4 305	656.9	1985	86 06 - ABAND 87 08
523	4.13	0.170	0.41	0.96	31	955	29	4 350	684.3	1984	91 11 - GPP
128	3.42	0.275	0.33	0.90	22	910	29	5 670	652.6	1971	88 12
16	1.52	0.270	0.40	0.97	11	927	29	5 210	584.9	1977	79 12 - ABAND 78 10
16	1.83	0.320	0.24	0.97	15	952	21	4 140	595.0	1975	88 12 - GPP
48	2.95	0.330	0.27	0.99	8	977	22	3 940	574.3	1981	83 06 - GPP
16	4.30	0.320	0.30	0.98	15	970	22	3 987	560.6	1974	88 12
48	9.00	0.310	0.16	0.98	7	987	28	4 187	601.1	1978	91 11
597	2.59	0.320	0.15	0.97	15	959	32	6 900	607.7	1965	86 12 - GPP
64	1.75	0.280	0.46	0.97	14	939	26	5 874	600.0	1979	81 02
73	1.60	0.290	0.39	0.97	10	953	25	3 216	549.7	1979	85 12 - GPP
16	1.20	0.300	0.28	0.97	10	958	25	3 210	548.7	1980	88 12
16	2.20	0.320	0.40	0.97	12	984	25	5 874	586.9	1981	82 05 - ABAND 85 07
913	5.39	0.310	0.27	0.97	14	966	23	4 600	565.3	1982	92 12 - GPP
112	3.06	0.300	0.28	0.99	10	973	28	4 840	657.8	1982	84 08 - GPP
16	1.80	0.260	0.48	0.97	13	981	21	5 523	561.4	1977	84 08
16	3.20	0.310	0.25	0.97	25	980	25	4 512	633.4	1984	88 12
32	2.00	0.300	0.36	0.97	11	982	29	4 400	622.3	1981	84 12 - ABAND 86 12
48	1.87	0.300	0.31	0.97	13	950	25	4 376	590.2	1979	92 11 - GPP
64	2.98	0.300	0.28	0.97	11	935	29	4 400	625.1	1975	85 12 - GPP
16	2.90	0.320	0.30	0.97	12	987	24	4 429	639.3	1986	86 11 - ABAND 88 12
16	5.48	0.310	0.19	0.99	9	965	26	3 790	591.6	1953	89 12
208	4.52	0.290	0.24	0.99	9	990	27	4 740	646.5	1978	84 12 - GPP
32	4.92	0.310	0.17	0.99	9	990	25	4 570	686.1	1977	84 12 - GPP
16	4.20	0.280	0.25	0.99	12	990	24	4 760	648.9	1980	89 12 - GPP
16	5.00	0.300	0.20	0.99	9	990	25	4 440	672.5	1981	82 05 - ABAND 87 08
16	4.00	0.300	0.25	0.99	9	984	25	4 460	631.3	1981	82 07 - ABAND 85 06
16	4.00	0.270	0.22	0.99	9	990	29	4 495	684.0	1981	82 10 - ABAND 86 05
16	3.50	0.250	0.30	0.99	9	988	23	4 503	650.3	1982	88 12 - GPP
16	5.70	0.280	0.25	0.96	38	952	24	4 616	701.7	1983	83 11 - ABAND 88 11
16	5.00	0.290	0.25	0.97	16	983	26	5 075	652.6	1983	84 02
16	5.50	0.290	0.30	0.99	27	979	25	4 760	643.5	1982	83 04 - GPP

* FIELD HAS RESERVES BOOKED FOR LIGHT-MEDIUM AND HEAVY CRUDE CATEGORIES

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m ³ /m ³	kg/m ³	°C	kPa	m		
16	5.80	0.300	0.20	0.97	16	932	26	4 755	644.8	1982	89 12 - ABAND 91 10
176	6.35	0.300	0.24	0.99	16	980	26	4 860	653.4	1983	87 07 - GPP
16	6.50	0.300	0.20	0.97	16	986	26	4 560	646.6	1983	84 11 - GPP
16	4.00	0.270	0.40	0.97	16	986	26	4 701	651.0	1984	88 12
28	6.25	0.310	0.24	0.97	16	969	26	4 960	669.5	1984	92 12
16	7.50	0.310	0.20	0.99	12	990	30	3 750	657.8	1986	86 12 - GPP
2 993					10	946	26	4 765	618.6	1963	90 12 - GPP
2 369	5.55	0.320	0.23	0.97							
624	8.05	0.320	0.23	0.97							
16	3.07	0.200	0.27	0.94	22	934	37	5 730	994.0	1976	85 12 - GPP
48	4.16	0.200	0.39	0.94	22	930	34	9 603	979.2	1981	84 09 - GPP
32	8.70	0.190	0.33	0.94	10	934	36	9 629	977.5	1983	82 12 - ABAND 88 04
78	10.47	0.220	0.33	0.98	10	934	31	9 630	945.5	1967	90 12 - GPP
386					10	934	31	9 550	941.2	1967	91 12 - GPP
225	3.95	0.200	0.31	0.98							
161	3.66	0.220	0.33	0.98							
96	5.07	0.170	0.31	0.97	10	937	30	9 050	952.6	1979	85 12 - GPP
144	5.89	0.180	0.41	0.95	10	935	30	9 567	1 002.4	1979	86 01 - GPP
80	4.85	0.200	0.49	0.97	10	935	30	9 463	970.4	1966	87 12 - GPP
16	4.62	0.210	0.25	0.98	10	934	31	10 575	974.3	1978	86 04

3 RESERVES OF CRUDE BITUMEN AND SYNTHETIC CRUDE OIL

3.1 Provincial Summary

The Board estimates the remaining established reserves of crude bitumen from the deposits under active development to be 434 million cubic metres for the surface-mineable schemes and 48.2 million cubic metres for the in situ schemes.

The changes for established crude bitumen reserves are shown below:

	1992	1991	Change
	10 ⁶ m ³	10 ⁶ m ³	10 ⁶ m ³
Initial Established Reserves			
Surface-mineable	644.0	644.0	—
In situ	<u>107.1</u>	<u>102.8</u>	+ 4.3
Total	751.1	746.8	+ 4.3
Cumulative Production			
Surface-mineable	210.0	193.0	+ 17.0
In situ	<u>58.9</u>	<u>52.1</u>	+ 6.8
Total	268.9	245.1	+ 23.8
Remaining Established Reserves			
Surface-mineable	434.0	451.0	- 17.0
In situ	<u>48.2</u>	<u>50.7</u>	- 2.5
Total	482.2	501.7	- 19.5

Synthetic crude oil production resulting from the crude bitumen production at the two mining schemes amounted to some 14.0 million cubic metres with 10.6 million cubic metres from the Syncrude project and 3.4 million cubic metres from the Suncor project.

3.2 Initial In-place Volumes of Crude Bitumen

Alberta's massive crude bitumen resources are contained in sand and carbonate sedimentary formations in the Athabasca, Cold Lake, and Peace River oil sands areas. Oil Sands Area Orders (OSA Orders) outline the general areal extent of crude bitumen occurrence and Oil Sands Deposit Orders (OSD Orders) outline the specific geological zones which have been declared as oil sands deposits.

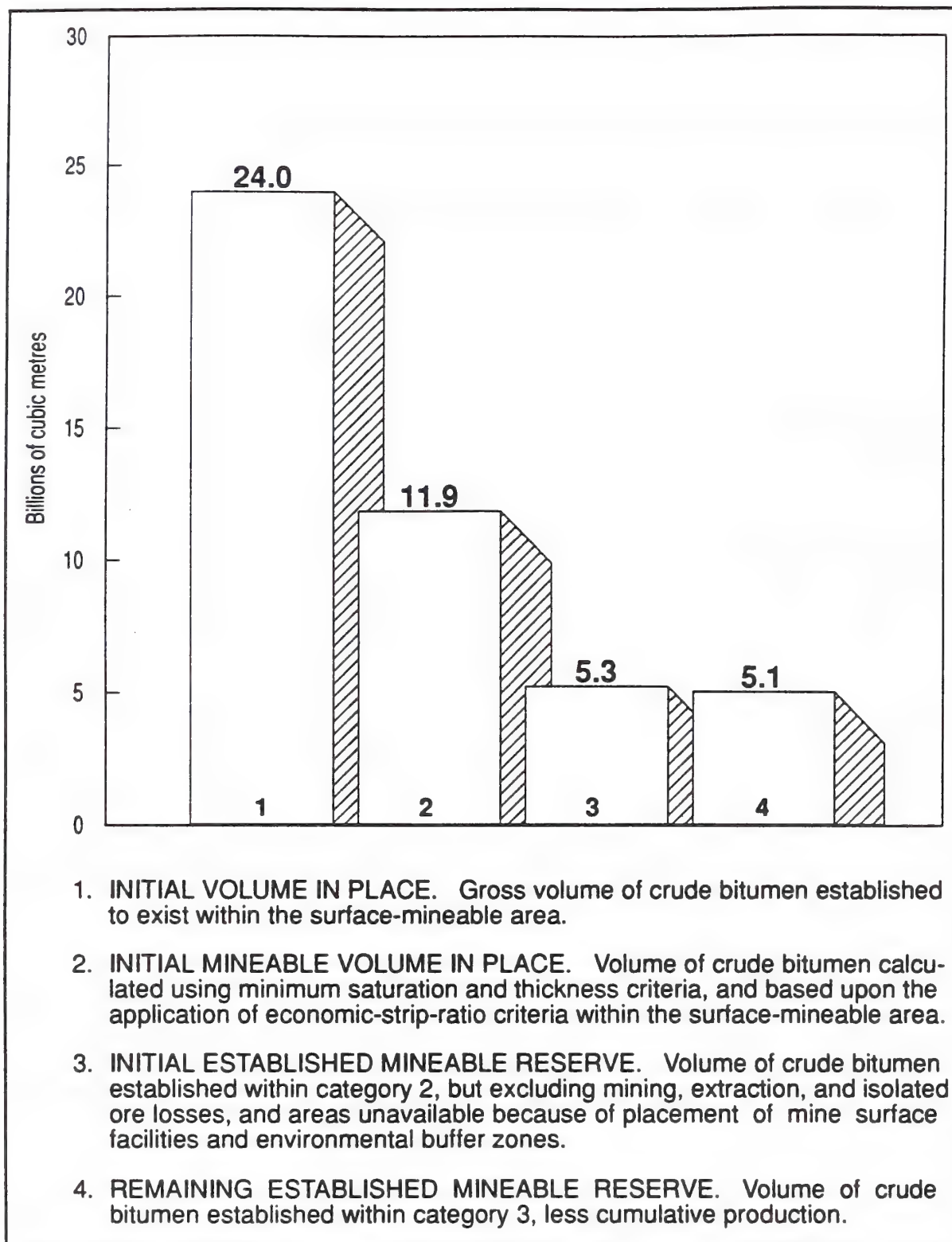


FIGURE 3-1 CRUDE BITUMEN RESERVES CATEGORIES WITHIN THE SURFACE-MINEABLE AREA

Initial in-place volumes of crude bitumen in each deposit were estimated using drillhole data and geophysical logs available to the end of 1992. The crude bitumen within the Cretaceous sands was determined using a minimum saturation cut-off of 3 mass per cent crude bitumen, and a minimum saturated zone thickness of 1.5 metres. In the evaluation of the carbonate deposits a minimum bitumen saturation of 30 per cent of pore volume and a porosity value of 5 per cent were used as cut-offs.

For the surface-mineable area of the Athabasca deposit, in-place volumes were calculated by programmed computer techniques employing a geostatistical approach. No revision has been made to the volumes for 1992. A review of all drilling information within the surface-mineable area is currently underway and adjustments to the volumes will be reported when the review is completed.

Excluding the surface-mineable area, the building-block approach remains the main method used to identify the in-place volumes within each deposit. Each deposit was divided into 2340-hectare (quarter-township) blocks and the initial in-place volume of crude bitumen in each block was determined using the average properties of the wells drilled in the block. Blocks not containing wells were assigned conservative values based on the lowest initial in-place volume of crude bitumen calculated for an adjacent block. The crude bitumen in-place volumes as determined volumetrically from isopach maps are used as they become available for a deposit or portion of a deposit. The determinations of initial in-place volumes are explained in detail in Section 2 of ERCB Report ST 91-38¹.

The total initial volumes of crude bitumen in place for the designated deposits at 31 December 1992 were estimated at 269.2 billion cubic metres. Minor reductions shown for the initial in-place volumes of the Cold Lake deposit were due to the use of volumetric determinations rather than the previous building block method. The data are presented in Table 3-2.

3.3 Surface-mineable Crude Bitumen and Synthetic Crude Oil Reserves

The initial mineable volume of in-place crude bitumen for the surface-mineable area was determined using the method outlined in Section 3.2, within that part of the Athabasca Wabiskaw-McMurray deposit where total overburden and top reject generally do not exceed 75 metres.

Potentially mineable areas were identified by economic strip ratio (ESR) criteria, a minimum saturation of 5 mass per cent bitumen, a maximum shale content of 45 volume per cent, and a minimum saturated zone thickness of 1.5 metres. The ESR criteria are fully explained in Appendix III of ERCB Report 79-H². The ESR criteria applied to varying bitumen saturations remain unchanged from the 1988 publication.

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- 1 Energy Resources Conservation Board, 1991. *Atlas of Alberta's Crude Bitumen Reserves*. ERCB Report ST 91-38. Calgary, Alberta.
 - 2 Energy Resources Conservation Board, 1979. *Alsands Fort McMurray Project*. ERCB Report 79-H. Calgary, Alberta.

The Board has elected not to revise the initial mineable volume until a review of all drilling information has been completed. The initial mineable volume in place of crude bitumen within the potentially mineable areas remains at 11.9 billion cubic metres. After allowing for surface facilities (plant sites, tailings ponds, discard sites), environmental protection corridors along major rivers, and isolated mineable areas, and assuming a combined mining/extraction recovery factor of 0.82, the resulting initial established mineable reserve of crude bitumen is estimated to be 5.3 billion cubic metres as shown in Figure 3-1. Technological improvements, better placement of surface facilities in future projects, and improved price/cost economics could increase this estimate.

Only a small portion of the initial established mineable reserve is being actively developed. The surface mining projects of Suncor and Syncrude are currently the only schemes under active development. The estimated established mineable crude bitumen reserves for those projects as at 31 December 1992 are shown below:

Development	Project Area ^a	Initial Mineable Volume in Place ^b	Initial Established Mineable Reserve ^b	Cumulative Production	Remaining Established Mineable Reserve
	ha	10 ⁶ m ³	10 ⁶ m ³	10 ⁶ m ³	10 ⁶ m ³
Suncor	3 030	216	168	86	82
Syncrude	11 860	807	476	124	352
Total	14 890	1 023	644	210	434

a The project areas correspond to the areas defined by the scheme approval and include mineable and other disturbed areas.

b Definitions are given in Figure 3-1.

The yield of synthetic crude oil through upgrading of crude bitumen is dependent upon the type of upgrading technology used, the use of products as fuel in the upgrading, the extent of gas liquids recovery, and the extent of residue upgrading. The yield factor for the current Suncor delayed coking operation is 0.80, while that for the current fluid coking/hydrocracking operation at Syncrude is 0.84. In 1992, the natural gas requirements to achieve these yields averaged 97 cubic metres per cubic metre of synthetic crude oil.

The initial established reserves of synthetic crude oil from the upgrading of the 5.3 billion cubic metres of crude bitumen in the surface-mineable area are estimated to be 4.8 billion cubic metres. This estimate is based on an average yield factor of 0.91 which reflects the use of high conversion, hydrogen addition upgrading technologies for the future development of the surface-mineable crude bitumen reserves.

3.4 In Situ Crude Bitumen Reserves

The Board has assigned initial volumes in place and initial and remaining established reserves for commercial projects and active experimental schemes where all or a portion of the wells have been drilled and completed. An aggregate reserve is shown for all active experimental schemes as well as an estimate of initial volumes in place and remaining established reserves for terminated schemes. An aggregate reserve is also shown for all commercial schemes within a given oil sands deposit and area.

For commercial projects where the crude bitumen can be recovered only by the application of some form of thermal energy, only the areas actually developed for thermal recovery have been included in the established reserves, notwithstanding the size of the approved project areas. The initial volume in place for developed areas in each project was based on the assigned drainage areas and had regard for the spacing of the individual wells or well clusters. Established reserves were then determined for the currently approved recovery mechanism. It should be noted that future experimentation and technological improvements may result in higher recovery of crude bitumen. For those projects with a primary recovery (pumping wells at natural temperature) component², the in-place volume was based on the assumed full development of all project lands not currently developed for thermal recovery. Changes to the initial volume in place were the result of additional drilling and amendments to existing scheme approval areas.

The initial established primary reserves for the Lindbergh area were based on a 2 per cent average primary recovery factor for the Cummings sands, and a 0.1 per cent average primary recovery factor for other Mannville sands. The initial established reserves for the Lindbergh thermal production areas were determined by summing the thermal reserves recognized for each project. This resulted in an average recovery factor of 15 per cent for the Mannville group of sands. For all other oil sands areas, the initial established reserves were determined by totalling the individual project reserves in each deposit. The individual project reserves estimates were based on historical and predicted production levels for each project.

In the active experimental schemes, the initial established reserve figure of 17.7 million cubic metres is based on current well productivity, cumulative production, and the project production to the expiry date of each experimental scheme. Information from some 1000 wells was used in determining the experimental reserves figures.

The Board's estimate of the established in situ crude bitumen reserves is shown in Table 3-1.

2 For the general Lindbergh area, the initial phase of development will entail cold fluid pumping to create reservoir voidage prior to the implementation of the approved thermal recovery technique.

TABLE 3-1 Established In Situ Crude Bitumen Reserves
As at 31 December 1992

Development	Initial Volume in Place ^a	Recovery Factor	Initial Established Reserves	Cumulative Production ^b	Remaining Established Reserves
	10 ⁶ m ³	Percentage	10 ⁶ m ³	10 ⁶ m ³	10 ⁶ m ³
Peace River Commercial Project					
Thermal-Bluesky/Gething	16.0	40.0	6.4	3.3	3.1
Subtotal	<u>16.0</u>		<u>6.4</u>	<u>3.3</u>	<u>3.1</u>
Cold Lake Commercial Projects					
Cold Lake					
Thermal-Clearwater	351.8	18.0	63.3	30.1	33.2
Subtotal	<u>351.8</u>		<u>63.3</u>	<u>30.1</u>	<u>33.2</u>
Lindbergh					
Primary — Cummings 1 & 2	226.3	2.0	4.5		
— Other Mannville	234.4	0.1	0.2		
Thermal — Cummings 1 & 2	24.0	15.0	3.6		
— Other Mannville	5.4	17.0	0.9		
Subtotal	<u>490.1</u>		<u>9.2</u>	<u>6.7</u>	<u>2.5</u>
Other Lindbergh					
Primary — Cummings 1 & 2	369.7	2.0	7.4		
— Other Mannville	981.3	0.1	1.0		
Subtotal	<u>1 351.0</u>		<u>8.4</u>	<u>2.4</u>	<u>6.0</u>
Subtotal	<u>2 192.9</u>		<u>80.9</u>	<u>39.2</u>	<u>41.7</u>
Experimental Schemes					
Active	120.7	14.7	17.7	14.3	3.4
Terminated	41.7	5.0	2.1	2.1	-
Subtotal	<u>162.4</u>		<u>19.8</u>	<u>16.4</u>	<u>3.4</u>
Total	<u>2 371.3</u>		<u>107.1</u>	<u>58.9</u>	<u>48.2</u>

a Thermal reserves are assigned only for lands approved for thermal developments and having completed drilling development.

b Cumulative production to 31 December 1992.



Reserves of Crude Bitumen and Basic Data

TABLE 3-2

OIL SANDS AREA OIL SANDS DEPOSIT OVERBURDEN DEPTH (m) OR ZONE	1	2	3	4		5	6	7
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	AREA 10 ³ ha	AVERAGE PAY THICKNESS m	BITUMEN SATURATION		POROSITY	WATER SATN	
				mass frac	pore vol frac	frac	frac	REMARKS
ATHABASCA								
UPPER GRAND RAPIDS 150 - 450+ SUBTOTAL	4 140 4 140	334	9	0.062	0.55	0.30	0.45	
MIDDLE GRAND RAPIDS 150 - 450+ SUBTOTAL	1 410 1 410	182	5	0.077	0.68	0.30	0.32	
LOWER GRAND RAPIDS 150 - 450+ SUBTOTAL	1 220 1 220	173	6	0.051	0.45	0.30	0.55	
WABISKAW-MCMURRAY 0 - 20 20 - 40 40 - 80 80 - 120 80 - 750+ SUBTOTAL	6 880 7 780 6 960 2 330 117 800 141 750	86 103 98 26 4 329	38 37 36 46 19	0.098 0.096 0.090 0.097 0.079		0.29 0.29 0.28 0.27 0.28	0.26 0.27 0.31 0.27 0.38	WITHIN MINEABLE AREA WITHIN MINEABLE AREA WITHIN MINEABLE AREA WITHIN MINEABLE AREA BEYOND MINEABLE AREA
NISKU 200 - 800+ SUBTOTAL	10 330 10 330	499	8	0.057	0.63	0.21	0.37	
GROSMONT D C B A SUBTOTAL	19 890 15 390 5 380 9 840 50 500	1 063 1 189 976 939	16 10 5 10	0.058 0.050 0.043 0.035	0.67 0.75 0.69 0.60	0.20 0.16 0.15 0.14	0.33 0.25 0.31 0.40	
COLD LAKE								
UPPER GRAND RAPIDS 300 - 600 SUBTOTAL	7 400 7 400	816	6	0.081	0.58	0.30	0.42	
LOWER GRAND RAPIDS 300 - 600 BUILDING BLOCK ISOPACH COLONY WASECA SPARKY LOWER GRAND RAPIDS 2 LOWER GRAND RAPIDS 3 LOWER GRAND RAPIDS 4 LOWER GRAND RAPIDS 5 LLOYDMINSTER SUBTOTAL	11 540 7 88 89 31 128 122 49 894 12 950	734 2 8 8 6 16 16 7 39	12 2 5 4 3 4 4 3 9	0.087 0.102 0.097 0.103 0.099 0.100 0.107 0.085 0.127	0.60 0.73 0.66 0.68 0.68 0.69 0.74 0.64 0.81	0.31 0.30 0.30 0.32 0.31 0.31 0.31 0.29 0.33	0.40 0.27 0.34 0.32 0.32 0.31 0.26 0.36 0.19	
CLEARWATER 300 - 600 SUBTOTAL	11 050 11 050	589	15	0.089	0.64	0.30	0.36	
WABISKAW-MCMURRAY 300 - 600 BUILDING BLOCK ISOPACH CUMMINGS 1 CUMMINGS 2 MCMURRAY SUBTOTAL	3 160 315 229 152 3 860	591 32 21 12	6 6 6 5	0.057 0.115 0.121 0.104	0.51 0.79 0.80 0.75	0.25 0.31 0.32 0.30	0.49 0.21 0.20 0.25	
PEACE RIVER								
BLUESKY-GETHING 300 - 700 BUILDING BLOCK ISOPACH SUBTOTAL	580 13 460 14 040	177 976	9 6	0.052 0.061	0.47 0.60	0.25 0.23	0.53 0.40	

TABLE 3-2

[illegible]

4 RESERVES OF GAS

4.1 Provincial Summary

The Board estimates the remaining established reserves of marketable gas in Alberta at 31 December 1992 to be 1595 billion cubic metres, having a thermal (heating value) energy content of 61.2 exajoules. This represents a net decrease of 32 billion cubic metres since 31 December 1991. The reserves include ethane and natural gas liquids subsequently recovered at reprocessing plants as discussed in Section 4.6. The changes in reserves during 1992 are shown below:

Remaining Established Reserves of Marketable Gas				
	Actual Heating Value Basis	Change	37.4 MJ/m ³ Basis	Energy Content
	10 ⁹ m ³	10 ⁹ m ³	10 ⁹ m ³	10 ¹⁸ J
At 31 December 1991				
Associated and solution	272.8			
Non-associated	<u>1 353.5</u>			
Total	1 626.2 ^a		1 669.7	62.4
Additions during 1992	72.5		74.4	2.8
Less production during 1992	104.0		106.5	4.0
At 31 December 1992				
Associated and solution	271.5	- 1.3	288.2	10.8
Non-associated	<u>1 323.2</u>	<u>- 30.3</u>	<u>1 349.4</u>	<u>50.5</u>
Total	1 594.7 (56 602) ^b	-31.5 ^a	1 637.6 (58 126) ^c	61.2 ^a

a Discrepancies are due to rounding.

b Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

c Imperial equivalent in billions of cubic feet of 1000 British thermal units per cubic foot of gas.

At year-end 1992, gas reserves were assigned to 24 740 pools in the province. Of these, 9962 had produced or are being produced and had remaining established reserves of 1093 billion cubic metres after cumulative production of 1823 billion. The 14 778 pools not on production had aggregate initial established reserves of marketable gas of 501 billion cubic metres, including 31 billion cubic metres of associated initial marketable gas reserves (gas-cap gas) classified as deferred.

4.2 Reserves of Gas Containing Hydrogen Sulphide

Some 2264 gas pools in the province contain at least some hydrogen sulphide and are classed as "sour". The distribution of established reserves of sweet and sour gas is shown below:

Type of Gas	Raw Gas		Marketable Gas		
	Initial Volume in Place	Initial Producible	Initial Established Reserves	Net Cumulative Production	Remaining Established Reserves
	10^6 m^3				
Sweet					
Associated	364 298	291 110	415 382	232 189	183 193
Solution	480 694	222 271			
Non-associated	<u>2 725 088</u>	<u>1 971 022</u>	<u>1 830 462</u>	<u>850 966</u>	<u>979 496</u>
Subtotal	3 570 080	2 484 403	2 245 844	1 083 155	1 162 689
Sour					
Associated	267 426	211 172	238 114	149 789	88 325
Solution	243 892	143 159			
Non-associated	<u>1 692 782</u>	<u>1 277 677</u>	<u>932 894</u>	<u>589 204</u>	<u>343 690</u>
Subtotal	2 204 101	1 632 008	1 171 008	738 993	432 015
Total	5 774 181 (204 947) ^a	4 116 411 (146 107) ^a	3 416 852 (121 277) ^a	1 822 148 (64 675) ^a	1 594 704 (56 602) ^a
Sour Gas Percentage of Total	38.17	39.65	34.27	40.56	27.09

a Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

The distribution of sour gas reserves by hydrogen sulphide content in the raw gas is shown below:

H ₂ S Content in Raw Gas	Raw Gas						Marketable Gas			
	Initial Volume in Place			Initial Producible			Initial Established Reserves		Remaining Established Reserves	
	Assoc	Soln	Non-Assoc	Assoc	Soln	Non-Assoc	Assoc & Soln	Non-Assoc	Assoc & Soln	Non-Assoc
mole percentage 10 ⁶ m ³										
0.00-1.99	97 168	115 072	442 218	81 147	73 686	357 166	119 558	310 527	67 186	104 939
2.00-9.99	127 552	95 056	474 917	100 427	54 720	379 469	90 074	309 041	12 615	113 787
10.00-19.99	19 840	28 916	389 611	15 566	13 564	269 709	19 419	175 407	6 562	64 638
20.00-29.99	22 836	4 769	116 178	14 008	1 138	73 319	9 033	45 036	1 939	25 961
30.00-more	30	79	269 859	24	51	198 014	30	92 883	23	34 365
Total	267 426	243 892	1 692 783	211 172	143 159	1 277 677	238 114	932 894	88 325	343 690
Percentage of Total	12.13	11.07	76.80	12.94	8.77	78.29	20.33	79.67	20.44	79.56

The average H₂S concentration of the initial gas-in-place reserves of sour gas in the province at year-end 1992 is 10.88 per cent. The equivalent concentration based on initial producible reserves is 10.30 per cent.

The distribution of marketed gas production by hydrogen sulphide content in the raw gas is shown below:

H ₂ S Content in Raw Gas	1992 Cumulative Marketed Production		1992 Annual Marketed Production	
	10 ⁶ m ³	percentage of total	10 ⁶ m ³	percentage of total
0.00	1 083 155	59.44	68 728	66.09
0.00—1.99	257 960	14.16	15 388	14.80
2.00—9.99	272 713	14.97	9 542	9.18
10.00—19.99	123 626	6.78	7 544	7.25
20.00—29.99	26 169	1.44	1 356	1.30
30.00 or more	58 525	3.21	1 436	1.38
Total	1 822 148	100.00	103 994	100.00

Sulphur reserves are discussed in Chapter 7.

4.3 Distribution of Gas Reserves by Pool Size

The distribution of initial and remaining established reserves of marketable gas among pools of different size ranges is shown below. For the purposes of this table, where gas production from two or more pools is commingled in the wellbore, the pools are considered as one pool, the SE Alta Gas System (MU) is considered on a field basis, and associated and solution gas reserves in a pool have been combined.

Reserve Range	Pools		Initial Established Marketable Reserves		Remaining Established Marketable Reserves	
	number	percentage of total	10 ⁶ m ³	percentage of total	10 ⁶ m ³	percentage of total
3000 or more	152	0.61	1 754 555	51.35	562 222	35.25
1500—2999	109	0.44	225 055	6.59	97 879	6.14
300—1499	972	3.93	567 924	16.62	295 515	18.53
1—299	23 507	95.02	869 318	25.44	639 088	40.08
Total	24 740	100.00	3 416 852 (121 277) ^a	100.00	1 594 704 (56 602) ^a	100.00

a Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

4.4 Growth of Marketable Gas Reserves

The addition of 72.5 billion cubic metres to the initial established reserves during 1992 resulted partly from 10.6 billion cubic metres from new discoveries made during the year. The remaining 61.8 billion cubic metres were attributed to development drilling, the reassessment of previously discovered reserves, and reserves discovered before 1992 but first recognized by the Board in 1992. The quantity of reserves added in 1992 was 26 per cent higher than in 1991 and 25 per cent above the annual average for the last decade.

The reserve growth rate is more fully discussed in Chapter 8.

The pools for which initial marketable gas reserves were revised by more than 800 million cubic metres in 1992 are listed in Table 4-1. The revisions occurred primarily as a result of detailed reviews of the reserves of these pools by operators and Board staff.

4.5 Reserves of Pools Calculated on an Energy Basis

Reserves of major retrograde condensate pools are tabulated on both an energy and a volumetric basis. Table 4-2 lists the initial energy in place, the recovery factor and surface loss factor (both on an energy basis), and the initial marketable energy for each pool. The table also lists raw- and marketable-gas heating values used to convert from a volumetric to an energy basis. The volumetric reserves of these pools are included in Table 4-5, but with recovery factors and surface loss factors deleted.

4.6 Reserves of Ethane and Natural Gas Liquids Included in Gas Reserves

The remaining established reserves of natural gas discussed in Section 4.1 are determined at the field gate. A portion of the ethane and natural gas liquids they contain enter trunk line systems and will be extracted downstream at reprocessing plants. If these quantities which will be extracted are deducted from the remaining established reserves of marketable gas, the gas reserves and the thermal energy content would be reduced from 1595 billion to 1541 billion cubic metres and from 61.2 to 56.9 exajoules, respectively, as shown at the end of Table 4-5.

Reserves of ethane and natural gas liquids are discussed in more detail in Chapters 5 and 6, respectively.

4.7 Discussion of Reserves Table 4-5

The established reserves of marketable gas have been estimated having regard for information presented by the industry in submissions and studies by Board staff.

The established reserves of gas are listed in Table 4-5 alphabetically by strike area. Strike areas where no field has been designated by the Board are identified by "SA" immediately following the name. The approximate location of the strike area is also given. The data presented are condensed from the gas reserve system data file¹. Pools having initial marketable gas reserves greater than or equal to 300 million cubic metres are listed individually. Pools having reserves less than 300 million cubic metres are grouped within each field or area and presented as a total. The total reserve in a field or area is shown as the last entry.

Where the established reserve for a pool is based on material-balance or production-decline calculations, the reservoir factors last established for the pool for volumetric calculations have been retained for informational purposes.

Where production from two or more pools is commingled before measurement, the initial reserve estimate for each pool is shown, if available, together with the total reserve estimate for the pools. Production is subtracted from the sum of the initial established marketable reserves of the pools to obtain the remaining established marketable reserves. Similarly, because production of associated- and solution-gas reserves for a pool has not been determined separately, the combined net cumulative production is subtracted from the sum of the initial established marketable reserves of associated and solution gas. Therefore, Table 4-5 shows initial reserves by category but includes remaining associated- and solution-gas reserves only on a combined basis.

Gas reserves in communication with crude bitumen have been classified as non-associated reserves in this report.

The amount of marketable gas produced from a pool is determined by adjusting the cumulative raw gas production from the pool for the estimated surface loss. Where gas has been injected for the enhanced recovery of oil, cycling of gas pools, and gas storage, the volumes of injected gas are included in the remaining established reserves of marketable gas (column 6) of the respective pools. The volumes credited to the pools have been adjusted to reflect projected losses in the reservoir and in handling and processing.

The marketed gas production generated by the gas reserves system for 1992 was 104.0 billion cubic metres. (The actual net production of marketable gas, as determined from production reports, is reported in the Board's publication ERCB ST 93-17, *Alberta Oil and Gas Industry—Annual Statistics* and for 1992 was 101.6 billion cubic metres.) It is emphasized that because changes due to errors or to amendments to production reports have been made to the previously reported cumulative raw gas production for some pools, and because of the adjustments made to the injected gas volumes discussed above, **net production volumes for any year should not be calculated from cumulative numbers appearing in this and previous reports.**

¹ The Board maintains a computer file of detailed reserves information for each pool in Alberta containing gas. The non-confidential portion of the file for year-end 1992 is available in the following forms:

- (a) Magnetic computer tape of the gas reserve file.
- (b) A COM-microfiche publication of gas reserves and reserve factors.

The major purchasers of gas from particular fields are shown in column 20. This information has been updated to year-end 1992 based on the lands under contract data provided to the Board by those purchasers.

4.8 Other Matters

A summary of the distribution of established reserves of gas by geological period is shown in Table 4-3.

Pools that are common to more than one designated field and those pools whose production is commingled with such common pools are termed "multi-field pools". The reserve for each designated pool in a multi-field pool is shown under the designated field in Table 4-5. A list of pools contained in each multi-field pool, the individual initial established reserves, and the total initial established reserves for the multi-field pool are shown in Table 4-4.

Reserves in this report have been classified as within or beyond economic reach using a simple, partially computerized procedure adopted by the Board in 1979. The Board estimates the reserves classified as beyond economic reach to be 52 billion cubic metres at 31 December 1992.

The map in the back pocket of this report shows the locations of Board-designated fields as at 31 December 1992. The fields have been coloured either green (for oil) or yellow (for gas) based on which had the higher initial energy content.

**TABLE 4-1 Major Gas Reserve Changes
1992**

Pool	Initial Established Reserves		Main Reasons for Change
	1992	Change	
	10 ⁶ m ³	10 ⁶ m ³	
Alderson Second White Specks A	13 317	+ 817	Development
Caroline Beaverhill Lake A	22 221	+ 1 221	Development
Hamburg Slave Point C	811	+ 811	New Pool
Pouce Coupe South Montney A	1 410	+ 1 143	Development
Ram Turner Valley 37-14 W5M	1 879	+ 1 074	Development
Verger Second White Specks A	3 393	+ 803	Development
Waterton Rundle J	6 900	+ 1 740	Development
Whitecourt Pekisko E	1 860	- 940	Re-evaluation of initial volume in place and recovery factor

TABLE 4-2 Reserves of Pools Calculated on an Energy Basis
As at 31 December 1992

Pool	Raw Gas Initial Volume in Place	Raw Gas Gross Heating Value	Initial Energy in Place	Recovery Factor	Fuel and Shrinkage (Surface Loss Factor)	Initial Marketable Gas Energy	Marketable Gas Gross Heating Value	Initial Established Reserves of Marketable Gas
	10 ⁶ m ³	MJ/m ³	10 ⁶ MJ	fraction	fraction	10 ⁶ MJ	MJ/m ³	10 ⁶ m ³
Brazeau River Nisku J	707	74.44	52 603	0.75	0.50	19 726	41.01	481
Brazeau River Nisku K	938	72.19	67 714	0.75	0.60	20 314	41.01	495
Brazeau River Nisku M	1 489	76.22	113 463	0.75	0.60	34 039	41.36	823
Brazeau River Nisku P	8 663	61.23	530 435	0.74	0.65	137 383	40.00	3 435
Brazeau River Nisku S	1 665	54.64	90 976	0.80	0.57	31 296	41.38	756
Brazeau River Nisku W	1 895	55.65	105 462	0.72	0.35	49 356	41.13	1 200
Caroline Beaverhill Lake A	64 707	49.95	3 232 115	0.77	0.62	945 717	42.56	22 221
Carson Creek Beaverhill Lake B	10 941	55.68	609 198	0.90	0.39	334 450	41.65	8 030
Harmattan East Rundle	36 252	50.26	1 822 003	0.85	0.26	1 146 040	40.93	28 000
Harmattan-Elkton Rundle C	31 326	46.96	1 471 056	0.90	0.27	966 484	41.48	23 300
Kakwa A Cardium A	1 120	55.40	62 069	0.85	0.32	35 876	42.71	840
Kaybob Beaverhill Lake C	2 104	63.77	134 188	0.85	0.42	66 155	41.09	1 610
Kaybob South Beaverhill Lake A	104 424	47.90	5 001 905	0.70	0.58	1 470 560	40.40	36 400
Ricinus Cardium A	8 316	58.59	487 221	0.85	0.32	281 614	40.52	6 950
Valhalla Halfway B	6 331	53.89	341 178	0.80	0.33	182 871	40.00	4 572
Waterton Rundle-Wabamun A	79 529	48.74 ^a	3 876 243	0.78	0.36	1 935 025	39.25	49 300
Wembley Halfway B	6 093	53.89	328 352	0.80	0.33	175 997	40.00	4 400
Westrose D-3	3 669	51.55	189 131	0.90	0.25	127 663	41.72	3 060
Westpem Nisku E	1 160	66.05	76 654	0.90	0.54	31 735	44.76	709
Windfall D-3 A	21 288	53.42	1 137 217	0.60	0.53	320 695	42.42	7 560

^a Produccible raw gas gross heating value is 40.65 MJ/m³.

TABLE 4-3 Distribution of Established Reserves of Gas by Geological Period
As at 31 December 1992

	1	2	3	4	5	6	7	8
	Raw Gas	Marketable Gas			Raw Gas	Marketable Gas		
Geological Period	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content
	10 ⁶ m ³			TJ	Percentage of total			
Quaternary								
Quaternary	28	14		509				
	<u>28</u>	<u>14</u>		<u>509</u>				
Tertiary								
Tertiary	111	65	2	2 277				
Subtotal	<u>111</u>	<u>65</u>	<u>2</u>	<u>2 277</u>				
Upper Cretaceous								
Belly River	111 109	66 911	29 084	1 392 094	1.92	1.96	1.60	2.27
Milk River & Med Hat	428 443	282 306	159 034	4 495 447	7.42	8.26	8.73	7.34
Cardium	264 164	90 719	35 094	2 259 675	4.57	2.66	1.93	3.69
Second White Specks	8 487	5 601	617	184 260	.15	.16	.03	.30
Other	51 686	33 215	12 110	843 896	.90	.97	.66	1.38
Subtotal	<u>863889</u>	<u>478 752</u>	<u>235 939</u>	<u>9 175 372</u>	<u>14.96</u>	<u>14.01</u>	<u>12.95</u>	<u>14.98</u>
Lower Cretaceous								
Viking	385 341	268 667	164 141	3 902887	6.67	7.86	9.01	6.37
Basal Colorado	39 764	32 432	27 766	172 447	.69	.95	1.52	.28
Mannville	1 497 214	991 429	450 838	20 586598	25.93	29.02	24.74	33.61
Other	60 194	41 726	24 725	647 170	1.04	1.22	1.36	1.06
Subtotal	<u>1 982 513</u>	<u>1 334 254</u>	<u>667 470</u>	<u>25 309 102</u>	<u>34.33</u>	<u>39.05</u>	<u>36.63</u>	<u>41.32</u>
Jurassic								
Jurassic	46 999	29 101	12 291	668 294	.81	.85	.67	1.09
Other	83 545	53 883	20 666	1 306 919	1.45	1.58	1.13	2.13
Subtotal	<u>130 544</u>	<u>82 984</u>	<u>32 957</u>	<u>1 975 213</u>	<u>2.26</u>	<u>2.43</u>	<u>1.81</u>	<u>3.22</u>
Triassic								
Triassic	49 849	31 185	10 088	833 053	.86	.91	.55	1.36
Other	69 611	45 477	8 721	1 442 209	1.21	1.33	.48	2.35
Subtotal	<u>119 460</u>	<u>76 662</u>	<u>18 809</u>	<u>2 275 262</u>	<u>2.07</u>	<u>2.24</u>	<u>1.03</u>	<u>3.71</u>
Permian								
Belloy	10 014	6 499	1 535	182 503	.17	.19	.08	.30
Other	643	441	-	16 998	.01	.01	-	.03
Subtotal	<u>10 657</u>	<u>6 940</u>	<u>1 535</u>	<u>199 501</u>	<u>.18</u>	<u>.20</u>	<u>.08</u>	<u>.33</u>

TABLE 4-3 (continued)

Geological Period	1	2	3	4	5	6	7	8
	Raw Gas	Marketable Gas			Raw Gas	Marketable Gas		
	Initial Volume In Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content	Initial Volume In Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content
	10 ⁶ m ³			TJ	Percentage of total			
Mississippian								
Rundle	988 831	593 566	397 787	7 659 800	17.13	17.37	21.83	12.51
Other	135 690	98 534	62 027	1 403 921	2.35	2.88	3.40	2.29
Subtotal	1 124 521	692 100	459 814	9 063 721	19.47	20.26	25.23	14.80
Upper Devonian								
Wabamun	222 000	103 333	68 899	1 282 681	3.84	3.02	3.78	2.09
Nisku	106 546	51 436	16 295	1 393 413	1.85	1.51	.89	2.28
Leduc	477 608	242 891	181 591	2 433 158	8.27	7.11	9.97	3.97
Beaverhill Lake	440 877	194 007	90 501	4 113 984	7.64	5.68	4.97	6.72
Other	99 018	49 002	36 194	479 370	1.71	1.43	1.99	.78
Subtotal	1 346 049	640 669	393 480	9 702 606	23.31	18.75	21.59	15.84
Middle Devonian								
Sulphur Point	12 267	8 009	1 157	260 749	.21	.23	.06	.43
Muskeg	4 543	2 057	638	57 840	.08	.06	.04	.09
Keg River	50 753	23 501	4 567	774 447	.88	.69	.25	1.26
Other	28 008	11 746	5 780	219 432	.49	.34	.32	.36
Subtotal	95 571	45 313	12 142	1 312 468	1.66	1.33	.67	2.14
Beyond Economic Reach								
Subtotal	89 415	51 641	-	1 948 744	1.55	1.51	-	3.18
Confidential ^a								
Subtotal	11 423	7 458	-	283 068	.20	.22	-	.46
Total	5 774 181	3 416 852	1 822 148	61 247 843	100.00	100.00	100.00	100.00
	(204 947) ^b	(121 277) ^b		(58 076) ^c				

^a Some Confidential reserves included in Beyond Economic Reach category.

^b Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

^c Imperial equivalent in billions of cubic feet of 1000 British thermal units per cubic foot of gas.

TABLE 4-4 Reserves of Multi-field Pools
As at 31 December 1992

Multi-field Pool Field and Pool	Initial Established Reserves 10 ⁶ m ³	Multi-field Pool Field and Pool	Initial Established Reserves 10 ⁶ m ³
Edmonton Pool No. 1			
Bashaw Edmonton D	66	Matziwin Milk River A	1 880
Nevis Edmonton D	353	Medicine Hat Milk River A	30 600
Total	419	Medicine Hat Second White Specks D ^a	1 400
		Medicine Hat Second White Specks K ^a	4
		Medicine Hat Second White Specks L ^a	10
Belly River Pool No. 1			
Bashaw Belly River C	1 200	Medicine Hat Second White Specks P ^b	5
Bashaw Belly River G	48	Newell Milk River A	957
Bashaw Belly River H	186	Princess Milk River A	7 770
Bashaw Belly River L	20	Rainier Milk River A	137
Bashaw Belly River M	228	Suffield Milk River A	20 700
Bashaw Belly River Q	15	Verger Milk River A	5 230
Nevis Belly River C	1 140	Wintering Hills Milk River A	1 290
Total	2 837	Total	111 745
Belly River Pool No. 2		Medicine Hat Pool No. 1	
Bruce Belly River J	528	Alderson Medicine Hat A	2 800
Holmberg Belly River J	94	Atlee-Buffalo Medicine Hat A	2 470
Total	622	Bantry Medicine Hat A	3 410
		Bassano Medicine Hat A	418
Belly River Pool No. 3		Berry Medicine Hat A	53
Fenn West Belly River J	32		
Fenn-Big Valley Belly River J	839	Bindloss Medicine Hat A	372
Gadsby Belly River J	1 620	Blackfoot Medicine Hat A	596
Total	2 491	Brooks Medicine Hat A	44
		Cessford Medicine Hat A	7 250
Belly River Pool No. 4		Connorsville Medicine Hat A	1 920
Michichi Belly River B & H	128		
Watts Belly River B & I	58	Countess Medicine Hat A	8 500
Total	186	Estuary Medicine Hat A	260
		Eyremore Medicine Hat A	118
Milk River Pool No. 1		Gleichen Medicine Hat A	712
Alderson Milk River A	13 400	Hussar Medicine Hat A	2 950
Atlee-Buffalo Milk River A	5 500		
Bantry Milk River A	5 980	Jenner Medicine Hat A	1 300
Bindloss Milk River A	1 010	Kitsim Medicine Hat A	270
Bow Island Milk River A	67	Lathom Medicine Hat A	245
		Leckie Medicine Hat A	155
Brooks Milk River A	295	Matziwin Medicine Hat A	1 430
Cessford Milk River A	2 780		
Connorsville Milk River A	676	Medicine Hat Medicine Hat A	50 000
Countess Milk River A	7 540	Mossleigh Medicine Hat A	35
Hussar Belly River C	30	Newell Medicine Hat A	79
		Princess Medicine Hat A	4 350
Hussar Milk River A	128	Seiu Lake Medicine Hat A	581
Jenner Milk River A	3 510		
Johnson Milk River A	356	Shouldice Medicine Hat A	640
Kitsim Milk River A	125	Suffield Medicine Hat A	11 200
Leckie Milk River A	365	Verger Medicine Hat A	6 000
		Wayne-Rosedale Medicine Hat A	1 130
		Wintering Hills Medicine Hat A	3 980
		Total	113 268

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3	Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Medicine Hat Pool No. 3			
Alderson Medicine Hat C	670	Cessford Second White Specks A	410
Atlee-Buffalo Medicine Hat C	11	Countess Second White Specks A	536
Bantry Medicine Hat C	915	Jenner Second White Specks A	1 130
Bow Island Medicine Hat C	12	Johnson Second White Specks A	98
Brooks Medicine Hat C	26	Matziwin Second White Specks A	60
Cessford Medicine Hat C	221	Medicine Hat Second White Specks A	5 200
Countess Medicine Hat C	150	Princess Second White Specks A	5 678
Eyremore Medicine Hat C	29	Suffield Second White Specks A	11 300
Jenner Medicine Hat C	36	Vergers Second White Specks A	3 393
Leckie Medicine Hat C	11		
Matziwin Medicine Hat C	33	Total	43 861
Medicine Hat Medicine Hat C	2 600	Second White Specks Pool No. 2	
Medicine Hat Second White Specks J ^c	314	Garden Plains Second White Specks E	794
Medicine Hat Second White Specks M ^d	9	Hanna Second White Specks E	367
Medicine Hat Lower Colorado Sand A ^e	250	Provost Second White Specks E	214
Newell Medicine Hat C	54	Richdale Second White Specks E	100
Princess Medicine Hat C	357	Sullivan Lake Second White Specks E	50
Suffield Medicine Hat C	890	Total	1 525
Vergers Medicine Hat C	134		
Total	6 722	Viking Pool No. 1	
Medicine Hat Pool No. 4		Fairydell-Bon Accord Upper Viking A & C and Middle Viking A & B	3 541
Alderson Medicine Hat D	194	Peavey Upper Viking A	12
Atlee-Buffalo Medicine Hat D	22	Redwater Upper Viking A	1 940
Bantry Medicine Hat D	82	Redwater Middle Viking A	601
Bindloss Medicine Hat D	3	Redwater Lower Viking A	299
Brooks Medicine Hat D	4	Westlock Middle Viking B	323
Cessford Medicine Hat D	545	Total	6 716
Countess Medicine Hat D	60		
Jenner Medicine Hat D	70	Viking Pool No. 2	
Matziwin Medicine Hat D	101	Beaverhill Lake Upper Viking A & B, Middle Viking A, and Lower Viking A	4 800
Medicine Hat Medicine Hat D	2 400	Bellshill Lake Upper Viking A	115
Newell Medicine Hat D	18	Birch Upper and Middle Viking A	99
Princess Medicine Hat D	253	Bruce Upper Viking A & F, Middle Viking A & B, and Upper Mannville Z	3 910
Suffield Medicine Hat D	1 000	Dinant Upper Viking A	69
Vergers Medicine Hat D	240		
Total	4 992	Fort Saskatchewan Upper and Middle Viking A	7 700
Second White Specks Pool No. 1		Holmberg Upper Viking A	82
Alderson Second White Specks A	13 317	Killam Upper and Middle Viking A	1 400
Atlee-Buffalo Second White Specks A	47		
Bantry Second White Specks A	1 855		
Bow Island Second White Specks A	830		
Bow Island Second White Specks C ^e	7		

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10 ⁶ m ³	Multi-field Pool Field and Pool	Initial Established Reserves 10 ⁶ m ³
Killam North Upper and Middle Viking A, Basal Mannville C & U, and Nisku A Mannville Upper and Middle Viking A	1 135 277	Stry Viking A Sugden Viking A Therien Viking A Ukalta Viking A Whitford Viking A	131 1 510 204 110 343
Sedgewick Upper Viking A Viking-Kinsella Upper and Middle Viking A and Upper Mannville YY	140 29 000	Willingdon Viking A, B & J	185
Total	<u>48 727</u>	Total	<u>6 915</u>
Viking Pool No. 3 Carbon Belly River K Carbon Viking D Ghost Pine Viking D	44 1 431 222	Viking Pool No. 7 Inland Upper Viking C & E and Middle Viking F, G, & I Royal Upper Viking C and Lower Viking A	268 43
Total	<u>1 697</u>	Total	<u>311</u>
Viking Pool No. 4 Fenn-Big Valley Viking B Fenn West Viking B Lousana Viking B	648 189 10	Viking Pool No. 10 Goodridge Viking F Jarvie Viking F Westlock Viking F	119 94 287
Total	<u>847</u>	Total	<u>500</u>
Viking Pool No. 5 Hudson Viking A Sedalia Viking A & F, Upper Mannville D, and Lower Mannville B	699 465	Viking Pool No. 11 Jarvie Viking G Westlock Viking G	65 107
Total	<u>1 164</u>	Total	<u>172</u>
Viking Pool No. 6 Ashmont Viking A Cache Viking A Canard Viking A Clay Viking A Corrin Viking A	376 581 88 257 105	Viking Pool No. 13 Chigwell Viking G Nelson Viking G	176 174
Craigend Viking A Duvernay Viking A Duvernay Viking M Hairy Hill Viking A Owlseye Viking A	2 010 315 23 269 82	Total	<u>350</u>
Plain Viking A Plain Viking N Plain Upper Mannville UU Plain Colony T St. Paul Viking A	21 2 70 64 169	St. Edouard Pool No. 3 Ukalta St. Edouard B Whitford St. Edouard B	60 34
		Total	<u>94</u>
		Glauconitic Pool No. 3 Bonnie Glen Glauconitic A Ferrybank Glauconitic A	1 152 900
		Total	<u>2 052</u>

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10 ⁶ m ³	Multi-field Pool Field and Pool	Initial Established Reserves 10 ⁶ m ³
Glaucouitic Pool No. 5		Ellerslie Pool No. 1	
Bigoray Glaucouitic I	1 150	Connorsville Glaucouitic A	239
Pembina Glaucouitic I	2 560	Connorsville Glaucouitic B	22
Pembina Lobstick Glaucouitic D	91	Connorsville Glaucouitic C	140
Pembina Ostracod C	191	Connorsville Glaucouitic E	103
Total	3 992	Connorsville Glaucouitic I	22
Glaucouitic Pool No. 6		Connorsville Ellerslie A	2 790
Bassano Glaucouitic III	113	Wintering Hills Ellerslie A	1 630
Countess Glaucouitic III	1 830	Total	4 946
Countess Upper Mannville LL	48	Cadomin Pool No. 1	
Hussar Glaucouitic III	461	Elmworth Cadomin A	4 930
Wintering Hills Glaucouitic III	57	Sinclair Cadomin A	2 520
Wintering Hills		Total	7 450
Upper Mannville I and Lower Mannville W	103	Halfway Pool No. 1	
Total	2 612	Valhalla Halfway B	4 482
Bluesky-Detrital-Debolt Pool No. 1		Wembley Halfway B	6 315
Cranberry Bluesky-Detrital-Debolt A	1 720	Total	10 797
Hotchkiss Bluesky-Detrital-Debolt A	3 580	Banff Pool No. 1	
Total	5 300	Haro Banff E	87
Gething Pool No. 1		Rainbow Banff E	13
Fox Creek Gething D	331	Rainbow South Banff E	59
Fox Creek Gething H	4 218	Total	159
Kaybob South Gething H	1 370		
Total	5 919		

a Also commingled with the Medicine Hat Medicine Hat A, C, & D pools.

b Also commingled with the Medicine Hat Medicine Hat C & D and Second White Specks A pools.

c Also commingled with the Medicine Hat Medicine Hat D Pool.

d Also commingled with the Medicine Hat Medicine Hat D and Medicine Hat Second White Specks A pools.

e Also commingled with the Bow Island Medicine Hat A, C, & D pools.



Reserves of Gas and Basic Data

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ABEE 062-23W4 TOTAL-ABEE	2 870			1 825	898	927		34 845	
ACADIA 026-04W4 TOTAL-ACADIA	176			122	3	119		4 380	
ACHESON 052-26W4 D-3 A SOLN	2 669	0.82	0.30	1 532 ^b			43		
D-3 A ASSOC	60	0.75	0.20	36 ^b	769 ^b	799	43	34 693	884
OTHER	2 297			1 373	763	610		23 914	
TOTAL-ACHESON	5 026			2 941	1 532	1 409		58 607	
ACHESON EAST 052-26W4 TOTAL-ACHESON EAST	759			351	201	150		5 797	
ACME 029-25W4 TOTAL-ACME	192			114		114		4 277	
ADEN 001-09W4 RUNDLE A	958	0.85	0.15	692	373	319	37	11 832	711
OTHER	618			415	248	167		6 236	
TOTAL-ADEN	1 576			1 107	621	486		18 068	
AERIAL 029-18W4 TOTAL-AERIAL	1 291			770	247	523		19 685	
AETNA (SA) 002-25W4 TOTAL-AETNA	136			98		98		3 700	
AKUINU 066-04W5 TOTAL-AKUINU	704			499	290	209		7 810	
ALBERS 041-07W4 TOTAL-ALBERS	133			90		90		3 208	
ALBRIGHT 072-09W6 TOTAL-ALBRIGHT	963			680	190	490		19 151	
ALCOMDALE 058-26W4 TOTAL-ALCOMDALE	158			104	5	99		3 759	
ALDER 045-08W5 TOTAL-ALDER	189			122	91	31		1 256	
ALDERSON 015-11W4 MILK RIVER A	20 150	0.70	0.05	13 400			36		161 765
MEDICINE HAT A	4 124	0.70	0.03	2 800			36		67 799
MEDICINE HAT C	1 382	0.50	0.03	670			36		57 415
MEDICINE HAT D	400	0.50	0.03	194			36		16 618
SECOND WHITE SPECKS A	18 691	0.75	0.05	13 317			36		153 952
SE ALTA GAS SYS(MU) TOTAL	44 747	0.70	0.05	30 381	18 549	11 832	36	431 513	
BOW ISLAND D	491	0.80	0.05	373	352	21	37	777	1 333
UPPER MANNVILLE DDD	425	0.85	0.05	343	123	220	37	8 140	616
UPPER MANNVILLE EEE	397	0.90	0.10	321	282	39	36	1 413	300
UPPER MANNVILLE LLL	611	0.85	0.10	467	464	3	36	108	323
OTHER	8 437			5 548	1 320	4 228		154 459	
TOTAL-ALDERSON	55 108			37 433	21 090	16 343		596 410	
ALEXANDER 056-27W4 BASAL QUARTZ A	4 341	0.95	0.03	4 000	3 963	37	39	1 427	4 350
OTHER	802			518	143	375		14 340	
TOTAL-ALEXANDER	5 143			4 518	4 106	412		15 767	
ALEXIS 056-05W5 BANFF A SOLN	386	0.65	0.40	151 ^b			39		
BANFF A ASSOC	289	0.85	0.10	221 ^b	226 ^b	146	39	5 732	320
OTHER	270			182	5	177		6 764	
TOTAL-ALEXIS	945			554	231	323		12 496	
ALGAR 079-15W4 TOTAL-ALGAR	241			171	33	138		5 121	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
0.45	0.110	0.90	11 640	55	0.667	0.89 0.89	1 484.7	1950 1950	1991 1991	GPP GPP
10.10	0.201	0.65	6 850	24	0.877	0.58	866.0	1960	1990	CMG MATERIAL BALANCE
9.04	0.154	0.55	3 140	16	0.937	0.56	317.9	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.41	0.170	0.55	4 310	17	0.916	0.56	429.4	1904	1982	PART OF MED HAT POOL NO.1
0.61	0.139	0.60	4 450	19	0.916	0.56	440.0	1973	1987	PART OF MED HAT POOL NO.3
0.61	0.139	0.60	4 450	19	0.916	0.56	467.8	1973	1988	PART OF MED HAT POOL NO.4
1.57	0.216	0.60	5 690	27	0.904	0.57	608.3	1944 1904	1987 1992	PART OF 2WS POOL NO.1 CRESTAR NORCEN AEC WEBEX AMEAGLE PANCDN POCO CWNGNUL CTYMEDH TCPL KANNGAZ ESSO AMEAGLE PANCDN TCPL SCEPTRE PANCDN TCPL
2.88	0.277	0.65	6 560	25	0.881	0.58	736.8	1981	1989	AMEAGLE PANCDN TCPL SCEPTRE
5.19	0.166	0.65	10 820	32	0.819	0.63	981.9	1982	1990	PANCDN TCPL
3.35	0.250	0.75	11 080	32	0.806	0.67	1 001.8	1972	1992	TCPL PRODUCTION DECLINE
7.81	0.228	0.85	8 090	31	0.849	0.66	991.5	1972	1989	A&S PRODUCTION DECLINE
3.20	0.193	0.75	9 210	45	0.850	0.63	1 169.1	1954	1992	POCO ESSO NORCEN PRODUCTION DECLINE
9.34	0.124	0.65	11 410	52	0.831	0.65 0.65	1 357.9	1968 1968	1987 1987	NORCEN PANALTA CONCURRENT PRODUCTION NORCEN PANALTA CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ALIX 040-23W4 TOTAL-ALIX	790			378	148	230		8 674	
ALKALI 024-05W4 TOTAL-ALKALI	214			147	12	135		4 955	
ALLIANCE 040-13W4 TOTAL-ALLIANCE	107			66	1	65		2 388	
ALPEN 063-19W4 TOTAL-ALPEN	206			117	41	76		2 826	
ALSASK 027-01W4 TOTAL-ALSASK	891			639	260	379		13 972	
ALSIKE 049-02W5 TOTAL-ALSIKE	13			10		10		371	
ALTARIO 034-01W4 TOTAL-ALTARIO	1 175			790	161	629		22 697	
AMADDOU 073-20W4 TOTAL-AMADDOU	168			101		101		3 715	
AMBER 115-07W6 TOTAL-AMBER	2 630			1 577	234	1 343		51 803	
AMELIA (SA) 010-27W4 TOTAL-AMELIA	59			34		34		1 332	
AMIGO 119-07W6 TOTAL-AMIGO	1 852			1 110	16	1 094		43 270	
ANATOLE 031-03W4 TOTAL-ANATOLE	170			107	2	105		3 968	
ANGLING 060-02W4									
GRAND RAPIDS B		0.65	0.05				36		3 223
GRAND RAPIDS C		0.65	0.05				37		200
GRAND RAPIDS D		0.60	0.05				37		150
GRAND RAPIDS E		0.55	0.05				37		128
SPARKY A		0.65	0.05				37		200
GR RAP BCDE & SPKY A TOTAL	987	0.75	0.05	703	703	< 1	37	-	
OTHER	130			79	52	27		991	
TOTAL-ANGLING	1 117			782	755	27		991	
ANGLO 019-19W4 TOTAL-ANGLO	297			211	47	164		5 818	
ANKERTON 044-15W4 TOTAL-ANKERTON	569			364		364		13 324	
ANNE (SA) 003-21W4 TOTAL-ANNE	81			58		58		1 895	
ANSELL 052-20W5									
CARDIUM E	4 949	0.20	0.15	842		842	41	34 312	3 996
CARDIUM A	346	0.20	0.10	62			41		400
CARDIUM B	126	0.60	0.15	65			42		200
CARDIUM C	73	0.60	0.10	40			40		200
CARDIUM FF	7 500	0.20	0.10	1 350			41		8 946
CARDIUM A,B,C & FF TOTAL	8 045	0.20	0.10	1 517	578	939	41	38 321	
VIKING A	389	0.65	0.10	228			39		714
CADOMIN B	693	0.65	0.10	405			38		1 019
VIKING A & CADOMIN B TOTAL	1 082	0.65	0.10	633	26	607	39	23 376	
BLUESKY A	584	0.75	0.10	394	5	389	40	15 614	774
CADOMIN A	511	0.85	0.10	391	6	385	40	15 311	646
CADOMIN C	532	0.85	0.05	429	5	424	39	16 714	673
OTHER	3 775			2 326	165	2 161		84 602	
TOTAL-ANSELL	19 478			6 532	785	5 747		228 250	
ANTE CREEK 065-24W5 DUNVEGAN B	724	0.75	0.10	489	230	259	39	10 199	1 259

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ANTE CREEK 065-24W5 (CONTINUED)									
PEACE RIVER A	608	0.80	0.05	462	168	294	39	11 563	1 706
BEAVERHILL LAKE SOLN	3 308	0.48	0.20	1 270 ^b		44			
BEAVERHILL LAKE ASSOC		0.50	0.15		569 ^b	701	44	31 138	
OTHER	487			263	146	117		4 558	
TOTAL-ANTE CREEK	5 127			2 484	1 113	1 371		57 458	
ANTE CREEK NORTH 067-23W5									
TOTAL-ANTE CREEK NORTH	1 109			788	18	770		29 971	
ANTELOPE 030-01W4									
COLONY A	503	0.85	0.05	407	158	249	37	9 181	3 333
BANFF A	521	0.75	0.05	371	368	3	37	111	1 618
OTHER	1 326			889	135	754		27 616	
TOTAL-ANTELOPE	2 350			1 667	661	1 006		36 908	
ANTHONY (SA) 083-24W5									
TOTAL-ANTHONY	32			16		16		613	
ANTLER (SA) 048-24W5									
BL 31-048-23	839	0.90	0.10	680		680	37	25 310	150
TOTAL-ANTLER	839			680		680		25 310	
APETOWUN (SA) 052-22W5									
NIS 22-052-22	873	0.75	0.45	360		360	36	13 118	200
OTHER	184			124		124		4 671	
TOTAL-APETOWUN	1 057			484		484		17 789	
ARDENODE 026-25W4									
TOTAL-ARDENODE	139			86		86		3 185	
ARGUS (SA) 103-08W6									
TOTAL-ARGUS	233			152		152		5 528	
ARMADA 016-19W4									
TOTAL-ARMADA	1 370			954	308	646		24 085	
ARMISIE 052-25W4									
TOTAL-ARMISIE	289			129	29	100		4 072	
ARMITAGE 074-14W4									
TOTAL-ARMITAGE	407			230		230		8 432	
ARNESON 025-02W4									
TOTAL-ARNESON	438			301	56	245		9 032	
ARTLAND 044-02W4									
TOTAL-ARTLAND	292			198		198		7 216	
ARVILLA 058-27W4									
TOTAL-ARVILLA	222			136	19	117		4 483	
ASHMONT 060-11W4									
VIKING A	991	0.40	0.05	376		376	37	14 025	19 524
OTHER	1 029			652	298	354		13 275	
TOTAL-ASHMONT	2 020			1 028	298	730		27 300	
ASTOTIN 054-19W4									
TOTAL-ASTOTIN	445			274	111	163		6 003	
ATHABASCA 066-23W4									
GRAND RAPIDS B	620	0.80	0.05	471	337	134	38	5 134	2 155
OTHER	1 341			884	330	554		20 700	
TOTAL-ATHABASCA	1 961			1 355	667	688		25 834	
ATHABASCA EAST 066-22W4									
UPPER MANNVILLE A	493	0.70	0.05	328	251	77	38	2 898	673
GLAUCONITIC A		0.75	0.05				38		2 619
LOWER MANNVILLE B		0.75	0.05				37		150
GLAUC A & L MANN B TOTAL	468	0.75	0.05	333	246	87	38	3 276	
D-1 B	587	0.75	0.05	418	330	88	37	3 289	660

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.24	0.195	0.65	12 130	54	0.840	0.62 0.86 0.86	1 665.7	1962 1962 1962	1989 1990 1990	GPP GPP GPP
1.49 4.29	0.302 0.208	0.40 0.65	7 650 8 310	26 29	0.867 0.865	0.58 0.57	767.0 856.7	1957 1957	1989 1990	AMEAGLE SASKEN UNIGAS AMEAGLE GULF PRODUCTION DECLINE
22.82	0.200	0.65	20 820	84	0.880	0.71	2 088.4	1977	1988	AMERADA BER
57.69	0.040	0.65	35 300	109	0.903	0.80	4 121.8	1981	1982	PROGAS
1.06	0.229	0.50	3 890	15	0.918	0.58	419.9	1949	1991	POCO BVI SCEPTRE PANALTA TCPL CENTRA SASKEN PART OF VIK POOL NO.6
3.41	0.333	0.65	3 640	17	0.916	0.60	491.9	1952	1981	TCPL AMOCO
2.51 1.81 2.50 8.77	0.268 0.221 0.310 0.176	0.65 0.55 0.70 0.75	3 110 3 630 3 790 3 720	21 20 20 30	0.939 0.928 0.916 0.935	0.56 0.56 0.62 0.56	519.9 605.2 615.8 605.8	1970 1978 1978 1970	1991 1991 1991 1988	RENENER TCPL PRODUCTION DECLINE MATERIAL BALANCE MATERIAL BALANCE SUNCOR CANST CNRL RENENER TCPL PANALTA TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ATHABASCA EAST 066-22W4 (CONTINUED)									
OTHER	1 329			874	368	506		18 977	
TOTAL-ATHABASCA EAST	2 877			1 953	1 195	758		28 440	
ATIM 054-26W4									
TOTAL-ATIM	280			187	67	120		4 481	
ATLEE-BUFFALO 021-08W4									
MILK RIVER A	8 270	0.70	0.05	5 500			36		76 866
MEDICINE HAT A	3 637	0.70	0.03	2 470			36		63 389
MEDICINE HAT C	22	0.50	0.03	11			36		1 053
MEDICINE HAT D	45	0.50	0.03	22			36		2 656
SECOND WHITE SPECKS A	65	0.75	0.05	47			36		1 073
SE ALTA GAS SYS (MU) TOTAL	12 039	0.70	0.05	8 050	3 725	4 325	36	157 733	
VIKING H	811	0.85	0.05	655	571	84	36	2 998	11 442
MANN 01-023-08	399	0.90	0.10	323		323	38	12 274	150
OTHER	5 321			3 492	770	2 722		98 575	
TOTAL-ATLEE-BUFFALO	18 570			12 520	5 066	7 454		271 580	
ATMORE 067-17W4									
MCMURRAY A	718	0.80	0.05	545	193	352	37	13 052	9 594
MCMURRAY B		0.70	0.05				37		4 191
NISKU A		0.70	0.05				37		1 883
NISKU A & MCMURRAY B TOTAL	1 774	0.70	0.05	1 180	993	187	37	6 912	
OTHER	2 878			1 719	696	1 023		37 957	
TOTAL-ATMORE	5 370			3 444	1 882	1 562		57 921	
AUBURNDALE 047-06W4									
TOTAL-AUBURNDALE	1 140			779	511	268		9 736	
BADGER 016-18W4									
TOTAL-BADGER	1 670			1 081	251	830		31 080	
BALSAM 082-10W6									
KISKATINAW A	945	0.85	0.05	763	356	407	37	15 230	1 086
OTHER	1 515			1 096	144	952		36 476	
TOTAL-BALSAM	2 460			1 859	500	1 359		51 706	
BANSHEE 050-22W5									
LED 14-050-22	957	0.85	0.45	447		447	37	16 593	200
OTHER	215			136		136		5 323	
TOTAL-BANSHEE	1 172			583		583		21 916	
BANTRY 016-13W4									
MILK RIVER A	8 993	0.70	0.05	5 980			36		82 155
MEDICINE HAT A	5 021	0.70	0.03	3 410			36		71 404
MEDICINE HAT C	1 886	0.50	0.03	915			36		43 059
MEDICINE HAT D	170	0.50	0.03	82			36		6 948
SECOND WHITE SPECKS A	2 604	0.75	0.05	1 855			36		35 823
SE ALTA GAS SYS(MU) TOTAL	18 674	0.70	0.05	12 242	9 229	3 013	36	109 884	
VIKING U	540	0.75	0.05	385			38		4 587
VIKING V	39	0.75	0.05	28			38		200
VIKING W	23	0.75	0.05	16			38		200
BASAL COLORADO C	182	0.75	0.05	130			36		1 328
VIKING T	7	0.75	0.05	5			38		200
VIK TUVW & BSL COLO C TOTAL	791	0.75	0.05	564	360	204	37	7 595	
MANNVILLE A ASSOC	243	0.90	0.10	197 ^b			37		400
MANNVILLE A SOLN	2 960	0.25	0.50	370 ^b			37		
MANNVILLE A ASSOC	261	0.90	0.10	212 ^b			37		648
MANNVILLE A ASSOC	14	0.90	0.10	12 ^b			37		36
MANNVILLE A ASSOC	231	0.90	0.10	187 ^b			37		465
MANNVILLE A ASSOC	14	0.90	0.10	12 ^b			37		32
MANNVILLE A ASSOC	31	0.90	0.10	25 ^b			37		128
MANNVILLE A ASSOC	28	0.90	0.10	23 ^b			37		64
MANNVILLE A ASSOC	2	0.90	0.10	2 ^b			37		32
MANNVILLE A ASSOC	7	0.90	0.10	5 ^b			37		32

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
4.82	0.154	0.55	3 140	16	0.937	0.56	369.1	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.33	0.170	0.55	4 310	17	0.916	0.56	461.2	1904	1987	PART OF MED HAT POOL NO.1
0.53	0.139	0.60	4 450	19	0.916	0.56	510.9	1973	1987	PART OF MED HAT POOL NO.3
0.43	0.139	0.60	4 450	19	0.916	0.56	535.9	1973	1987	PART OF MED HAT POOL NO.4
0.78	0.216	0.60	5 690	27	0.904	0.56	646.9	1944	1987	PART OF 2WS POOL NO.1
								1904	1986	CRESTAR PANCDN NORCEN ESSO RENENER PROGAS
1.29	0.238	0.60	6 830	27	0.885	0.59	785.8	1955	1982	PANALTA CWNGNUL TCPL
										CRESTAR PANCDN RENENER TCPL MATERIAL
18.00	0.250	0.60	8 600	29	0.821	0.65	740.0	1990	1990	BALANCE UNIGAS
1.84	0.257	0.60	2 630	25	0.952	0.57	510.5	1968	1991	AMOCO BVI PROGAS PANALTA TCPL
1.71	0.272	0.60	2 840	20	0.945	0.56	520.5	1960	1987	MATERIAL BALANCE
6.57	0.161	0.65	2 860	25	0.948	0.56	507.9	1967	1987	MATERIAL BALANCE
								1960	1985	BP SCEPTRE AMOCO
5.41	0.128	0.80	17 200	77	0.890	0.60	1 866.7	1974	1986	POCO TCPL
47.54	0.044	0.85	42 040	166	1.012	0.84	4 580.6	1977	1981	PANALTA BER
9.21	0.154	0.55	3 140	16	0.937	0.56	354.5	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.63	0.170	0.55	4 310	17	0.916	0.56	444.1	1904	1987	PART OF MED HAT POOL NO.1
1.11	0.139	0.60	4 450	19	0.916	0.56	464.3	1973	1987	PART OF MED HAT POOL NO.3
0.62	0.139	0.60	4 450	19	0.916	0.56	495.4	1973	1987	PART OF MED HAT POOL NO.4
0.94	0.216	0.60	5 690	27	0.904	0.57	636.0	1944	1992	PART OF 2WS POOL NO.1
								1904	1992	CRESTAR POCO BP PANCDN ESSO PANALTA NCMI
1.86	0.165	0.50	7 100	29	0.871	0.60	794.1	1973	1992	CWNGNUL TCPL
2.47	0.140	0.70	7 380	27	0.863	0.59	814.3	1973	1988	
1.85	0.170	0.45	7 450	27	0.862	0.59	830.0	1973	1988	
1.13	0.200	0.65	8 550	30	0.859	0.61	881.9	1946	1986	
0.61	0.170	0.40	7 140	27	0.858	0.61	807.7	1973	1988	
								1946	1992	CRESTAR SCEPTRE PANALTA PANCDN NCMI
2.53	0.260	0.70	10 780	30	0.768	0.71	976.9	1947	1992	CWNGNUL TCPL
						0.71		1947	1992	GPP
1.68	0.260	0.70	10 780	30	0.768	0.71	981.3	1947	1992	
1.58	0.260	0.70	10 780	30	0.767	0.72	989.3	1947	1992	
2.06	0.260	0.70	10 780	30	0.765	0.72	992.4	1947	1992	
1.80	0.260	0.70	10 780	30	0.768	0.72	997.3	1947	1992	ASSIGNED WELL 16-15-018-13W4M
1.00	0.260	0.70	10 780	30	0.767	0.72	993.5	1947	1992	ASSIGNED WELL 10-26-017-13W4M
1.80	0.260	0.70	10 780	30	0.768	0.72	990.7	1947	1985	ASSIGNED WELL 12-34-017-12W4M
0.30	0.260	0.70	10 780	30	0.768	0.72	989.2	1947	1985	ASSIGNED WELL 12-01-018-13W4M
0.90	0.260	0.70	10 780	30	0.768	0.72	989.3	1947	1985	ASSIGNED WELL 01-02-018-13W4M

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BANTRY 016-13W4 (CONTINUED)									
MANNVILLE A ASSOC	23	0.90	0.10	19b			37		64
MANNVILLE A ASSOC	125	0.80	0.10	90b			37		150
MANNVILLE A ASSOC	5	0.90	0.10	5b			37		15
MANNVILLE A TOTAL	3 944	0.40	0.30	1 159b	745b	414	37	15 384	
OTHER	5 713			3 721	1 887	1 834		67 734	
TOTAL-BANTRY	29 122			17 686	12 221	5 465		200 597	
BAPTISTE 067-22W4									
MANNVILLE C	26	0.70	0.05	17			38		100
MANNVILLE G	1 001	0.80	0.05	761			39		4 714
MANNVILLE N	22	0.70	0.05	14			38		200
MANNVILLE O	30	0.70	0.05	20			38		200
MANNVILLE P	51	0.70	0.05	34			38		200
MANNVILLE C,G,N,O&P TOTAL	1 130	0.80	0.05	846	312	534	38	20 538	
WABAMUN C	932	0.75	0.05	664	236	428	38	16 397	2 002
WABAMUN E	1 243	0.70	0.05	827	742	85	37	3 176	1 642
OTHER	1 531			1 005	439	566		21 275	
TOTAL-BAPTISTE	4 836			3 342	1 729	1 613		61 386	
BARE (SA) 003-03W4									
TOTAL-BARE	55			42		42		1 554	
BARK (SA) 121-07W6									
TOTAL-BARK	98			61		61		2 167	
BARRHEAD 058-04W5									
TOTAL-BARRHEAD	1 350			921		921		35 305	
BARTMAN 025-09W4									
TOTAL-BARTMAN	183			131	13	118		4 377	
BASELINE 061-14W5									
TOTAL-BASELINE	15			10		10		325	
BASHAW 042-22W4									
BELLY RIVER C	1 943	0.65	0.05	1 200			37		22 570
BELLY RIVER G	77	0.65	0.05	48			37		787
BELLY RIVER H	302	0.65	0.05	186			37		3 404
BELLY RIVER L	33	0.65	0.05	20			38		250
BELLY RIVER M	343	0.70	0.05	228			37		757
BELLY RIVER Q	25	0.65	0.05	15			37		250
B RIVER C,G,H,L,M&O TOTAL	2 723	0.65	0.05	1 697	870	827	37	30 417	
BASAL MANNVILLE B									
BASAL MANNVILLE B	129	0.70	0.15	77			39		873
BASAL MANNVILLE B	58	0.70	0.15	35			39		300
BASAL MANNVILLE B	659	0.70	0.15	392			39		1 350
BASAL MANNVILLE B TOTAL	846	0.70	0.15	504	211	293	38	11 113	
D-3 A ASSOC	692	0.85	0.20	470b			36		1 176
D-3 A SOLN	349	0.65	0.20	182b			36		
D-3 A ASSOC	2	0.85	0.20	2b			36		13
D-3 A TOTAL	1 043	0.80	0.20	654b	350b	304	36	10 980	
OTHER	4 672			2 770	795	1 975		73 982	
TOTAL-BASHAW	9 284			5 625	2 226	3 399		126 492	
BASING 048-20W5									
TURNER VALLEY A	2 778	0.40	0.10	1 000	91	909	38	34 787	2 483
TV 048-21	1 563	0.40	0.10	563		563	38	21 141	1 710
OTHER	445			283	109	174		6 699	
TOTAL-BASING	4 786			1 846	200	1 646		62 627	
BASSANO 021-18W4									
MEDICINE HAT A	616	0.70	0.03	418			36		501
SE ALTA GAS SYS (MU) TOTAL	616	0.70	0.05	418	2	416	36	15 172	
BOW ISLAND G	540	0.75	0.05	385	127	258	36	9 301	2 625
UPPER MANNVILLE C	496	0.75	0.10	335	270	65	39	2 527	447
OTHER	2 535			1 701	401	1 300		48 557	
TOTAL-BASSANO	4 187			2 839	800	2 039		75 557	
BATTLE 046-20W4									
TOTAL-BATTLE	133			78		78		2 884	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.50	0.260	0.70	10 780	30	0.767	0.71	997.3	1947	1992	ASSIGNED WELL 02/10-15-017-12W4M CRESTAR TCPL GPP
5.00	0.210	0.60	10 780	30	0.767	0.72	972.9	1947	1990	
1.45	0.260	0.70	10 780	30	0.767	0.72	985.5	1947	1992	
								1947	1992	
3.05	0.350	0.65	3 610	24	0.932	0.55	528.9	1966	1988	CNRL TCPL CNRL TCPL KANNGAZ TCPL PRODUCTION DECLINE
3.62	0.284	0.65	3 100	23	0.937	0.57	427.0	1966	1992	
1.67	0.270	0.65	3 560	17	0.927	0.55	453.0	1966	1979	
1.83	0.330	0.65	3 570	17	0.927	0.55	456.8	1966	1979	
2.75	0.330	0.75	3 570	17	0.927	0.55	464.1	1966	1979	
								1966	1992	
9.31	0.190	0.75	3 480	29	0.934	0.59	601.2	1976	1982	
5.27	0.163	0.75	3 520	29	0.936	0.57	585.1	1959	1987	
4.30	0.247	0.40	2 020	22	0.961	0.57	511.6	1977	1991	PART OF BR POOL NO.1
1.68	0.275	0.50	4 100	25	0.927	0.56	618.5	1980	1985	PART OF BR POOL NO.1
1.91	0.263	0.40	4 220	22	0.922	0.56	650.0	1978	1992	PART OF BR POOL NO.1
3.00	0.250	0.40	4 300	27	0.924	0.55	645.3	1981	1988	PART OF BR POOL NO.1
3.95	0.295	0.50	4 020	26	0.929	0.56	650.7	1982	1986	PART OF BR POOL NO.1 PRODUCTION DECLINE
2.50	0.230	0.40	4 140	21	0.922	0.56	619.6	1981	1988	PART OF BR POOL NO.1
								1977	1992	POCO PANCDN NORCEN CNWE NRTHSTR HOME UNIGAS SCEPTRE PANALTA TCPL DEKALB KANNGAZ A&S PART OF BR POOL NO.1
1.44	0.202	0.50	9 720	53	0.837	0.72	1 372.8	1963	1992	TCPL NCM1 HOME HUSKY A&S CONCURRENT PRODUCTION CONCURRENT PRODUCTION PANCDN TCPL DEKALB CONCURRENT PRODUCTION
2.45	0.185	0.50	9 880	93	0.897	0.72	1 392.3	1963	1992	
3.84	0.209	0.60	9 730	53	0.837	0.72	1 414.3	1963	1992	
								1964	1992	
5.27	0.077	0.85	16 060	60	0.804	0.78	1 754.4	1951	1991	PANCDN TCPL DEKALB CONCURRENT PRODUCTION
						0.78		1951	1991	
2.00	0.050	0.85	16 060	60	0.804	0.78	1 732.8	1951	1990	
								1951	1991	
9.92	0.060	0.80	33 630	123	1.028	0.63	3 912.2	1975	1990	PANALTA TOP/BASE TVD
9.51	0.050	0.80	32 000	119	1.019	0.63	3 802.2	1978	1986	PANALTA TCPL TOP/BASE TVD
1.66	0.170	0.55	4 310	17	0.916	0.56	704.0	1904	1987	PART OF MED HAT POOL NO.1
								1904	1983	PANCDN PANALTA TCPL
2.20	0.197	0.55	8 160	33	0.879	0.59	1 144.7	1988	1989	UNIGAS PANALTA PROGAS TCPL
3.09	0.235	0.65	10 480	38	0.807	0.66	1 220.0	1968	1992	PANCDN TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BATTLE NORTH 046-20W4 TOTAL-BATTLE NORTH	15			10		10		393	
BATTLE SOUTH 045-20W4 TOTAL-BATTLE SOUTH	330			205	75	130		4 884	
BAXTER LAKE 047-05W4 MANNVILLE B	502	0.85	0.05	406	373	33	34	1 107	917
OTHER	722			448	228	220		7 750	
TOTAL-BAXTER LAKE	1 224			854	601	253		8 857	
BEAR CANYON 082-12W6 TOTAL-BEAR CANYON	918			670		670		25 617	
BEATON 087-02W6 TOTAL-BEATON	1 379			907	543	364		13 465	
BEATTY LAKE (SA) 122-02W6 TOTAL-BEATTY LAKE	171			111		111		4 146	
BEAUVALLON 053-10W4 COLONY K		0.85	0.05				37		2 691
COLONY K		0.85	0.05				37		249
COLONY K		0.85	0.05				37		239
COLONY K		0.85	0.05				37		100
COLONY K TOTAL	1 784	0.85	0.05	1 440	1 350	90	37	3 364	
COLONY L	1 129	0.68	0.05	730	714	16	38	601	3 072
COLONY P	673	0.75	0.05	480			37		5 808
COLONY HH	22	0.70	0.05	14			37		150
COLONY P & HH TOTAL	695	0.75	0.05	494	158	336	37	12 543	
OTHER	2 790			1 857	795	1 062		39 200	
TOTAL-BEAUVALLON	6 398			4 521	3 017	1 504		55 708	
BEAVER CROSSING 062-01W4 TOTAL-BEAVER CROSSING	325			171	36	135		4 793	
BEAVERHILL LAKE 052-19W4 UPPER VIKING A		0.80	0.03				37		200
UPPER VIKING B		0.80	0.03				37		5 634
MIDDLE VIKING A		0.85	0.03				37		33 875
LOWER VIKING A		0.80	0.03				37		13 933
UVIK AB,MVIK A&LVIK A TOTAL	6 186	0.80	0.05	4 800	4 294	506	37	18 666	
OTHER	2 307			1 498	575	923		34 035	
TOTAL-BEAVERHILL LAKE	8 493			6 298	4 869	1 429		52 701	
BEAVERLODGE 072-10W6 TOTAL-BEAVERLODGE	360			250	71	179		6 900	
BELLIS 059-15W4 UPPER MANNVILLE B		0.80	0.05				38		1 347
UPPER MANNVILLE B		0.85	0.05				38		300
UPPER MANNVILLE B		0.80	0.05				38		100
UPPER MANNVILLE B		0.80	0.05				38		1 681
UPPER MANNVILLE B TOTAL	942	0.80	0.05	716	689	27	38	1 014	
UPPER MANNVILLE E		0.75	0.05				37		3 498
UPPER MANNVILLE F		0.75	0.05				38		856
UPPER MANNVILLE G		0.75	0.05				38		1 177
UPPER MANNVILLE H		0.75	0.05				38		200
U MANN E,F,G & H TOTAL	1 445	0.75	0.05	1 030	950	80	37	2 991	
NISKU C	560	0.65	0.05	346	307	39	37	1 448	1 946
NISKU F	546	0.70	0.05	363	107	256	37	9 403	751
OTHER	5 192			3 251	1 657	1 594		59 252	
TOTAL-BELLIS	8 685			5 706	3 710	1 996		74 108	
BELLODY 078-01W6 CADOTTE A	668	0.75	0.05	476	103	373	37	13 969	3 033
NOTIKWIN A	584	0.56	0.05	311	298	13	37	486	481
DEBOLT A	266	0.80	0.10	192			39		789

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.60	0.262	0.65	4 560	24	0.922	0.61	702.5	1975	1988	PANALTA TCPL PRODUCTION DECLINE
5.00	0.284	0.80	4 260	21	0.917	0.57	571.8	1973	1990	MATERIAL BALANCE
2.71	0.285	0.85	4 250	26	0.922	0.57	547.5	1973	1990	MATERIAL BALANCE
1.33	0.229	0.60	3 990	24	0.925	0.57	566.6	1973	1990	MATERIAL BALANCE
4.88	0.270	0.80	3 950	19	0.921	0.57	560.3	1973	1990	MATERIAL BALANCE ASSIGNED WELL 07-19-053-09W4M
3.98	0.284	0.75	3 780	19	0.924	0.57	536.9	1976	1992	SCEPTRE NORCEN TCPL PANALTA HOME ESSO AMOCO CWNGNUL NORCEN PANALTA NCMI CWNGNUL TCPL ESSO PRODUCTION DECLINE
1.80	0.284	0.60	3 570	17	0.926	0.58	483.6	1972	1990	
1.60	0.330	0.70	3 710	19	0.926	0.57	527.2	1980	1992	
								1972	1992	TCPL PROGAS PANALTA
1.74	0.210	0.60	5 550	33	0.904	0.60	766.1	1917	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE ASSIGNED WELL 07-24-051-19W4M
0.90	0.186	0.60	4 800	26	0.909	0.60	765.4	1952	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE
2.09	0.203	0.55	5 550	33	0.904	0.60	790.1	1917	1989	PART OF VIK POOL NO.2 MATERIAL BALANCE
1.21	0.215	0.60	5 550	33	0.904	0.60	785.0	1953	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1982	POCO NORCEN ESSO NCMI CWNGNUL TCPL PART OF VIK POOL NO.2
1.49	0.257	0.60	4 070	22	0.919	0.59	493.5	1965	1990	MATERIAL BALANCE
1.53	0.263	0.60	4 070	22	0.918	0.59	476.4	1965	1990	MATERIAL BALANCE
2.70	0.276	0.60	4 080	25	0.921	0.59	524.1	1983	1990	MATERIAL BALANCE
1.22	0.270	0.55	4 070	22	0.918	0.59	513.4	1976	1990	MATERIAL BALANCE
								1965	1990	NORCEN PANALTA TCPL
2.11	0.300	0.65	3 450	22	0.932	0.59	528.7	1963	1992	PRODUCTION DECLINE
1.77	0.300	0.60	3 700	20	0.925	0.57	538.4	1969	1992	PRODUCTION DECLINE
2.12	0.298	0.65	3 860	27	0.928	0.57	550.2	1969	1992	PRODUCTION DECLINE
2.78	0.300	0.55	4 070	20	0.917	0.58	568.9	1969	1992	PRODUCTION DECLINE
								1963	1992	TCPL
9.25	0.206	0.60	3 850	24	0.928	0.56	613.8	1976	1990	TCPL MATERIAL BALANCE
12.61	0.137	0.70	3 600	22	0.933	0.57	626.9	1978	1992	HILL PANALTA LOMALTA MATERIAL BALANCE
3.09	0.338	0.65	3 130	19	0.939	0.56	517.0	1951	1991	POCO ENCOR NORCEN PANCDN A&S TCPL
3.81	0.184	0.60	4 650	27	0.919	0.55	569.5	1951	1992	PRODUCTION DECLINE
2.88	0.229	0.55	14 230	60	0.840	0.63	1 425.5	1951	1981	MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BELLOY 078-01W6 (CONTINUED)									
DEBOLT B	494	0.80	0.10	356 ^b			39		944
DEBOLT C ASSOC	362	0.80	0.10	261 ^b			38		575
DEBOLT C SOLN	7	0.65	0.10	5 ^b			38		
DEBOLT A,B & C TOTAL	1 129	0.80	0.10	814 ^b	423 ^b	391	39	15 136	
OTHER	2 556			1 792	457	1 335		51 000	
TOTAL-BELLOY	4 937			3 393	1 281	2 112		80 591	
BELLSHILL LAKE 041-13W4									
BLAIRMORE ASSOC	143	0.70	0.25	75 ^b			38		228
BLAIRMORE SOLN	1 385	0.65	0.45	495 ^b			38		
BLAIRMORE ASSOC	4	0.70	0.25	2 ^b			38		32
BLAIRMORE ASSOC	5	0.70	0.25	3 ^b			38		15
BLAIRMORE ASSOC	3	0.70	0.25	2 ^b			38		12
BLAIRMORE ASSOC	71	0.70	0.25	38 ^b			38		138
BLAIRMORE TOTAL	1 611	0.65	0.40	615 ^b	247 ^b	368	38	13 844	
OTHER	837			524	131	393		13 790	
TOTAL-BELLSHILL LAKE	2 448			1 139	378	761		27 634	
BENJAMIN 028-07W5									
RUNDLE C	1 070	0.65	0.15	592	317	275	38	10 431	609
RUNDLE A	2 895	0.65	0.15	1 600			39		1 356
RUNDLE B	723	0.65	0.15	400			39		393
RUNDLE A & B TOTAL	3 618	0.65	0.15	2 000	590	1 410	39	54 934	
TOTAL-BENJAMIN	4 688			2 592	907	1 685		65 365	
BENTLEY 058-07W4									
TOTAL-BENTLEY	108			69		69		2 560	
BENTON 028-03W4									
TOTAL-BENTON	1 224			824	127	697		26 048	
BERLAND RIVER 059-23W5									
LEDUC A	3 852	0.90	0.25	2 600	1 440	1 160	38	43 778	280
LED 07-059-23	1 011	0.75	0.20	606		606	36	21 840	200
TOTAL-BERLAND RIVER	4 863			3 206	1 440	1 766		65 618	
BERLAND RIVER WEST 058-25W5									
WAB 10-058-25	663	0.80	0.25	398		398	38	14 925	440
WAB 26-058-25	422	0.80	0.05	321		321	39	12 410	200
OTHER	100			68		68		2 738	
TOTAL-BERLAND RIVER WEST	1 185			787		787		30 073	
BERRY 027-12W4									
VIKING F	585	0.80	0.05	445	32	413	37	15 298	1 523
OTHER	3 184			2 204	785	1 419		53 379	
TOTAL-BERRY	3 769			2 649	817	1 832		68 677	
BERWYN (SA) 082-25W5									
TOTAL-BERWYN	31			22		22		819	
BESSIE 062-15W5									
TOTAL-BESSIE	37			25		25		982	
BEZANSON (SA) 071-03W6									
TOTAL-BEZANSON	265			184		184		7 264	
BIG ARROW 099-05W6									
TOTAL-BIG ARROW	99			63		63		2 385	
BIG BEND 066-27W4									
GRAND RAPIDS Q	591	0.90	0.05	505	505	< 1	38	-	554
MCMURRAY H	700	0.75	0.05	499	440	59	37	2 171	1 542
MCMURRAY B		0.65	0.05				38		1 271
MCMURRAY II		0.65	0.05				38		401
WABAMUN F		0.65	0.05				37		128
MCMURRAY B, II & WAB F TOTAL	585	0.65	0.05	361	322	39	38	1 464	
WABAMUN A	748	0.70	0.05	498	354	144	37	5 399	1 968
WABAMUN H	1 459	0.80	0.10	1 050	335	715	38	27 134	2 589
OTHER	10 882			6 936	3 320	3 616		135 691	
TOTAL-BIG BEND	14 965			9 849	5 276	4 573		171 859	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
5.74 5.86	0.188 0.196	0.65 0.55	14 400 15 750	60 60	0.822 0.832	0.67 0.67 0.67	1 451.9 1 486.9	1951 1951 1951 1951	1981 1992 1992 1992	MATERIAL BALANCE MATERIAL BALANCE GPP MATERIAL BALANCE GPP GPP
4.18	0.275	0.75	6 510	30	0.839	0.78 0.78	900.8	1955 1955	1989 1989	GPP GPP
1.00	0.257	0.70	6 510	30	0.839	0.78	902.6	1955	1991	
2.27	0.262	0.80	6 510	30	0.839	0.78	899.8	1955	1991	
1.75	0.276	0.75	6 510	30	0.839	0.78	916.4	1955	1991	
3.62	0.279	0.70	6 510	30	0.839	0.78	939.7	1955 1955	1987 1987	UNIGAS HUSKY ESSO KANNGAZ TCPL GPP
16.38	0.064	0.80	28 900	92	0.953	0.68	3 503.9	1978	1991	PROGAS PANALTA MATERIAL BALANCE TOP/BASE TVD
22.78	0.054	0.75	28 000	92	0.943	0.67	3 248.9	1969	1991	TOP/BASE TVD
19.28	0.056	0.75	27 400	92	0.940	0.67	3 292.9	1969 1961	1991 1991	TOP/BASE TVD PROGAS PANALTA
65.60 31.50	0.074 0.080	0.90 0.85	36 450 31 610	121 114	1.015 0.984	0.68 0.68	3 762.7 3 748.0	1958 1989	1990 1992	TCPL MATERIAL BALANCE TOP/BASE TVD PANCDN CANOXY AEC
21.87 12.00	0.036 0.084	0.80 0.85	33 090 33 000	127 104	0.984 1.012	0.72 0.59	3 724.1 3 618.0	1958 1980	1973 1981	BER BER
4.52	0.197	0.50	7 990	31	0.867	0.59	970.4	1980	1992	SCEPTRE ATCOR
3.36 3.69 3.10 1.74 6.10	0.255 0.215 0.193 0.247 0.190	0.60 0.65 0.60 0.70 0.70	4 620 4 680 5 000 5 000 4 710	21 30 30 29 36	0.910 0.911 0.907 0.905 0.913	0.56 0.63 0.60 0.60 0.63	600.6 795.2 800.5 799.7 802.9	1967 1967 1968 1968 1976 1968	1992 1990 1987 1989 1983 1983	HOME TCPL PRODUCTION DECLINE NRTHSTR TCPL MATERIAL BALANCE PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE NRTHSTR TCPL
7.20 8.90	0.151 0.173	0.70 0.80	4 990 4 520	37 32	0.916 0.921	0.60 0.59	814.2 761.6	1967 1976	1990 1991	CNRL UNIGAS TCPL NORCEN CNRL ESSO HUSKY TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BIG COULEE 067-23W4 TOTAL-BIG COULEE	1 017			663	294	369		13 923	
BIGHORN 043-17W5 TOTAL-BIGHORN	455			321		321		12 273	
BIGORAY 051-08W5 GLAUCONITIC I	1 882	0.65	0.06	1 150	194	956	39	37 513	3 776
PEKISKO A ASSOC	1 971	0.75	0.10	1 330 ^b			40		5 047
PEKISKO A SOLN	335	0.60	0.10	181 ^b			40		
PEKISKO A TOTAL	2 306	0.75	0.10	1 511 ^b	1 309 ^b	202	40	8 017	
NISKU F SOLN	457	0.76	0.10	312 ^b			39		
NISKU F ASSOC		0.85	0.10		-185 ^b	497	39	19 443	
OTHER	5 051			2 749	376	2 373		93 259	
TOTAL-BIGORAY	9 696			5 722	1 694	4 028		158 232	
BIGSTONE 061-22W5 DUNVEGAN A	5 045	0.65	0.05	3 115	1 247	1 868	40	75 411	4 380
D-3 A	13 665	0.46	0.30	4 400	4 306	94	37	3 444	2 460
OTHER	1 335			856		856		32 824	
TOTAL-BIGSTONE	20 045			8 371	5 553	2 818		111 679	
BILAWCHUK 080-09W6 TOTAL-BILAWCHUK	701			499		499		18 056	
BILBO 065-08W6 FALHER B	513	0.90	0.15	393	42	351	40	13 893	250
OTHER	3 171			2 136	218	1 918		74 151	
TOTAL-BILBO	3 684			2 529	260	2 269		88 044	
BINDLOSS 022-05W4 MILK RIVER A	1 519	0.70	0.05	1 010			36		22 607
MEDICINE HAT A	549	0.70	0.03	372			36		22 725
MEDICINE HAT D	6	0.50	0.03	3			36		380
SE ALTA GAS SYS (MU) TOTAL	2 074	0.70	0.05	1 385	382	1 003	36	36 579	
VIKING A	10 774	0.90	0.01	9 600	8 299	1 301	36	47 356	18 120
OTHER	1 317			909	194	715		25 759	
TOTAL-BINDLOSS	14 165			11 894	8 875	3 019		109 694	
BIRCH 050-11W4 CAMROSE B	896	0.90	0.05	766	626	140	37	5 223	4 603
OTHER	3 536			2 372	1 021	1 351		50 220	
TOTAL-BIRCH	4 432			3 138	1 647	1 491		55 443	
BISON LAKE 095-15W5 TOTAL-BISON LAKE	196			124		124		4 587	
BISTCHO 122-04W6 TOTAL-BISTCHO	193			132		132		4 849	
BITTERN LAKE 046-22W4 GLAUCONITIC A	1 268	0.80	0.05	963	718	245	37	8 962	1 313
ELLERSLIE D	771	0.80	0.05	586	65	521	39	20 085	1 399
OTHER	3 916			2 486	661	1 825		68 394	
TOTAL-BITTERN LAKE	5 955			4 035	1 444	2 591		97 441	
BLACK 110-09W6 TOTAL-BLACK	1 616			746	99	647		24 614	
BLACK BUTTE 001-08W4 BASAL COLORADO A	322	0.80	0.05	245			37		1 016
BASAL COLORADO B	300	0.85	0.05	242			37		838
BASAL COLORADO A&B TOTAL	622	0.80	0.05	487	399	88	37	3 268	
SUNBURST-SWIFT A	469	0.80	0.04	360	329	31	38	1 179	824
SAWTOOTH A	900	0.82	0.05	701	637	64	37	2 390	1 660
RUNDLE A	1 105	0.80	0.10	796	459	337	37	12 547	1 230
OTHER	612			422	235	187		6 965	
TOTAL-BLACK BUTTE	3 708			2 766	2 059	707		26 349	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
5.31 5.27	0.121 0.073	0.55 0.65	13 510 15 370	58 63	0.823 0.833	0.66 0.67 0.67 0.69 0.69	1 834.2 1 886.2	1958 1962 1962 1962 1977 1977	1992 1990 1990 1990 1992 1992	NRTHSTR A&S PART OF GLAUC POOL NO.5 CONCURRENT PRODUCTION CONCURRENT PRODUCTION POCO NCMI A&S CONCURRENT PRODUCTION A&S GPP A&S GPP
5.87 18.55	0.152 0.090	0.65 0.85	18 240 32 650	73 116	0.829 0.973	0.69 0.71	1 975.0 3 377.6	1959 1960	1992 1991	UNIGAS AMOCO A&S A&S PRODUCTION DECLINE GAS CYCLING SCHEME
7.60	0.120	0.85	35 760	103	1.022	0.64	2 552.0	1982	1989	PANALTA CHEL DEEP CUT SL
4.98 0.56 0.40	0.154 0.170 0.139	0.55 0.55 0.60	3 140 4 310 4 450	16 17 19	0.937 0.916 0.916	0.56 0.56 0.56	330.0 429.8 490.8	1910 1904 1973 1904	1987 1987 1987 1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE PART OF MED HAT POOL NO.1 PART OF MED HAT POOL NO.4 CRESTAR POCO NORCEN AMERADA RENENER PANALTA NCMI TCPL TCPL MATERIAL BALANCE
3.43	0.302	0.60	6 830	27	0.881	0.59	674.9	1952	1984	TCPL MATERIAL BALANCE
3.06	0.131	0.60	4 760	27	0.914	0.57	716.2	1961	1987	TCPL MATERIAL BALANCE
8.82 4.31	0.211 0.181	0.80 0.80	9 130 8 730	38 50	0.858 0.870	0.63 0.66	1 223.5 1 221.6	1956 1975	1989 1992	PANCDN PANALTA NCMI NRTHSTR PRODUCTION DECLINE NCMI CWNIGNUL SASKOIL
4.00 3.18 5.77 2.58 5.98	0.195 0.231 0.190 0.150 0.100	0.55 0.60 0.70 0.70 0.80	6 300 6 430 7 100 8 100 8 260	24 24 30 33 33	0.885 0.882 0.848 0.871 0.867	0.58 0.57 0.65 0.60 0.62	771.6 789.0 900.8 990.8 997.0	1944 1944 1944 1944 1944	1987 1987 1987 1984 1981 1979	PRODUCTION DECLINE PRODUCTION DECLINE ALT/ROA CMG CMG PRODUCTION DECLINE ALT/ROA CMG PRODUCTION DECLINE CRESTAR ALT/ROA CMG MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BLACK DIAMOND 020-02W5 TOTAL-BLACK DIAMOND	300			41	41				
BLACKFOOT 022-23W4 MEDICINE HAT A SE ALTA GAS SYS(MU) TOTAL OTHER TOTAL-BLACKFOOT	877 877 568 1 445	0.70 0.70	0.03 0.05	596 596 370 966	38 196 234	558 174 732	36 36	20 350 6 397 26 747	14 969
BLACKSTONE 045-16W5 CARD SD 26-044-16 BEAVERHILL LAKE A OTHER TOTAL-BLACKSTONE	435 33 334 395 34 164	0.85 0.80	0.05 0.25	352 20 000 261 20 613	3 998 3 998	352 16 002 261 16 615	39 37	13 584 595 914 10 759 620 257	200 4 618
BLANSKY (SA) 001-02W4 TOTAL-BLANSKY	64			48		48		1 749	
BLOOD 006-22W4 BOW ISLAND A OTHER TOTAL-BLOOD	1 020 311 1 331	0.80	0.05	775 206 981	569 64 633	206 142 348	36	7 509 5 099 12 608	2 297
BLUEBERRY 082-07W6 BELL 16-082-07 KISKATINAW A OTHER TOTAL-BLUEBERRY	451 1 139 513 2 103	0.90 0.80	0.10 0.05	365 865 345 1 575	612 612	365 253 345 963	39 38	14 122 9 627 13 214 36 963	200 200
BLUERIDGE 059-10W5 JURASSIC B JURASSIC F NORD 36-059-10 PEKISKD A SOLN PEKISKD A ASSOC OTHER TOTAL-BLUEBRIDGE	2 632 748 512 5 1 076 903 5 876	0.76 0.60 0.85 0.60 0.90	0.10 0.10 0.10 0.10 0.10	1 800 404 392 3 ^b 871 ^b 586 4 056	1 511 327 480 ^b 2 413	289 77 392 394 491 1 643	40 39 38 38	11 416 2 988 14 939 15 122 19 079 63 544	3 943 400 400
BOGGY LAKE (SA) 030-06W5 TOTAL-BOGGY LAKE	53			36		36		1 377	
BOLLOQUE 064-26W4 LOWER MANNVILLE A LOWER MANNVILLE B OTHER TOTAL-BOLLOQUE	894 558 3 299 4 751	0.75 0.80	0.05 0.05	637 424 2 084 3 145	605 133 667 1 405	32 291 1 417 1 740	38 38	1 212 10 968 53 055 65 235	2 631 1 161
BOLTAN (SA) 060-02W6 TOTAL-BOLTAN	184			126		126		5 078	
BONANZA 081-12W6 HALFWAY A DOIG A ASSOC KISKATINAW A KISKATINAW C OTHER TOTAL-BONANZA	447 511 528 1 046 1 950 4 482	0.85 0.85 0.90 0.90	0.15 0.10 0.10 0.05	323 391 428 894 1 196 3 232	105 90 493	218 391 321 804 1 005 2 739	39 40 39 38	8 410 15 609 12 522 30 849 36 322 103 712	1 222 400 200 200
BONDISS 064-15W4 TOTAL-BONDISS	151			100	81	19		706	
BONNIE GLEN 047-27W4 GLAUCONITIC A	1 829	0.70	0.10	1 152	875	277	39	10 905	3 925
D-3 A SOLN	17 625	0.80	0.35	9 165 ^b			41		
D-3 A ASSOC	13 303	0.90	0.25	8 980 ^b	6 690 ^b	11 455	41	468 051	1 260
OTHER TOTAL-BONNIE GLEN	1 554 34 311			1 038 20 335	403 7 968	635 12 367		25 243 504 199	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.39	0.166	0.55	4 310	17	0.916	0.56	922.3	1904 1904	1991 1988	PART OF MED HAT POOL NO.1 PANCDN PROGAS
16.50 24.04	0.123 0.099	0.55 0.90	21 740 45 370	81 140	0.896 1.103	0.63 0.72	2 777.8 4 748.4	1979 1979	1980 1991	AMOCO HOME HUSKY CNG TCPL MATERIAL BALANCE
9.86	0.141	0.60	3 400	32	0.936	0.63	1 019.6	1978	1989	PANALTA MATERIAL BALANCE
10.49 9.87	0.200 0.130	0.75 0.70	14 480 15 380	63 64	0.855 0.846	0.61 0.65	1 444.5 1 582.0	1973 1973	1977 1989	TCPL BER TCPL MATERIAL BALANCE
4.11 9.80 5.25	0.191 0.179 0.298	0.65 0.55 0.70	12 450 10 490 11 830	65 66 63	0.853 0.867 0.857	0.65 0.65 0.64	1 719.7 1 646.0 1 485.3	1967 1970 1988	1989 1990 1991	INVRNS TCPL PRODUCTION DECLINE TCPL MATERIAL BALANCE CRESTAR TCPL CANST
6.79	0.120	0.65	12 550	64	0.853	0.65	1 731.4	1967	1992	TCPL CONCURRENT PRODUCTION, OIL DEPLETED TCPL CONCURRENT PRODUCTION, OIL DEPLETED
3.20 3.77	0.228 0.289	0.65 0.80	5 450 5 380	29 33	0.900 0.907	0.58 0.58	868.6 863.9	1965 1973	1992 1980	RENENER TCPL MATERIAL BALANCE TRITON TCPL
2.45 9.85 12.10 24.70	0.122 0.118 0.140 0.140	0.75 0.75 0.85 0.85	14 520 13 940 19 330 19 250	60 62 75 75	0.760 0.807 0.862 0.884	0.83 0.70 0.66 0.61	1 482.7 1 465.6 2 103.7 2 123.2	1973 1989 1991 1989	1984 1991 1991 1991	PANALTA SUNCOR DEKALB PROGAS BP SUNCOR NOVER
6.36	0.133	0.50	11 940	64	0.842	0.68	1 564.5	1954	1992	NOVER SHELL INVRNS ATCOR UNIGAS BVI A&S SCEPTRE PANALTA KANNGAZ POCO DIRECT ESSO PART OF GLAUC POOL NO.3 PRODUCTION DECLINE
65.53	0.101	0.95	16 820	80	0.807	0.79	2 044.9	1952 1952	1991 1991	VECTOR ESSO CONC PROD, GAS CYCLING, DP CT SL VECTOR ESSO CONC PROD, GAS CYCLING, DP CT SL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BONNYVILLE 060-05W4									
GRAND RAPIDS C	633	0.75	0.05	451	375	76	37	2 839	1 729
OTHER	411			257	206	51		1 888	
TOTAL-BONNYVILLE	1 044			708	581	127		4 727	
BORDER 042-05W4									
TOTAL-BORDER	65			40		40		1 421	
BORRADAILE 051-05W4									
TOTAL-BORRADAILE	67			44		44		1 613	
BOTHA 098-05W6									
DEBOLT A	446	0.85	0.05	360		360	37	13 176	3 771
OTHER	207			135		135		5 005	
TOTAL-BOTHA	653			495		495		18 181	
BOTTREL 027-05W5									
TOTAL-BOTTREL	436			301	1	300		12 322	
BOUCHER 079-04W6									
TOTAL-BOUCHER	159			108		108		4 130	
BOUNDARY LAKE SOUTH 084-12W6									
TRIASSIC E ASSOC	193	0.75	0.10	131 ^b			40		473
TRIASSIC E SOLN	1 289	0.45	0.10	522 ^b			40		
TRIASSIC E ASSOC	94	0.75	0.10	64 ^b			40		191
TRIASSIC E ASSOC	29	0.80	0.10	21 ^b			40		100
TRIASSIC E TOTAL	1 605	0.50	0.10	738 ^b	501 ^b	237	40	9 390	
TRIASSIC D	672	0.75	0.10	454	415	39	40	1 542	400
KISKATINAW E	1 055	0.90	0.05	903	886	17	38	649	1 654
KISKATINAW H	1 169	0.95	0.10	1 000	878	122	39	4 730	200
KISKATINAW B		0.75	0.05				38		200
KISKATINAW G		0.80	0.05				38		200
KISKATINAW B & G TOTAL	521	0.80	0.05	396	396	< 1	38	-	
OTHER	4 438			2 910	730	2 180		83 912	
TOTAL-BOUNDARY LAKE SOUTH	9 460			6 401	3 806	2 595		100 223	
BOUVIER 070-24W4									
WABAMUN C	539	0.65	0.05	333	53	280	37	10 480	1 056
OTHER	396			238	121	117		4 397	
TOTAL-BOUVIER	935			571	174	397		14 877	
BOVINE (SA) 079-19W4									
TOTAL-BOVINE	16			8		8		298	
BOW ISLAND 011-11W4									
MILK RIVER A	101	0.70	0.05	67			36		2 112
MEDICINE HAT C	24	0.50	0.03	12			36		935
SECOND WHITE SPECKS A	1 165	0.75	0.05	830			36		17 119
SECOND WHITE SPECKS C	9	0.80	0.05	7			36		200
SE ALTA GAS SYS (MU) TOTAL	1 299	0.75	0.05	916	4	912	36	33 261	
BOW ISLAND	2 667	0.75	0.05	1 900	1 767	133	38	5 014	39 323
OTHER	738			532	32	500		17 906	
TOTAL-BOW ISLAND	4 704			3 348	1 803	1 545		56 181	
BOWDEN (SA) 033-29W4									
TOTAL-BOWDEN	51			30		30		1 183	
BOYER 103-22W5									
BLUESKY B	847	0.50	0.05	403	211	192	36	6 881	12 668
BLUESKY A	18 842	0.50	0.05	8 950			37		130 482
GETHING A	233	0.50	0.05	111			38		3 644
BLUESKY A & GETHING A TOTAL	19 075	0.50	0.05	9 061	4 304	4 757	37	177 626	
OTHER	942			519	183	336		12 506	
TOTAL-BOYER	20 864			9 983	4 698	5 285		197 013	
BRANCH (SA) 002-20W4									
TOTAL-BRANCH	7			4		4		131	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.57	0.285	0.75	2 430	29	0.957	0.57	316.1	1949	1992	TRITON HOME MATERIAL BALANCE
3.23	0.174	0.40	5 220	35	0.916	0.58	767.5	1975	1982	AEC NONCOMMERCIAL OIL
1.68	0.167	0.90	14 650	49	0.799	0.66	1 322.5	1964	1991	GPP
1.40	0.230	0.95	14 650	49	0.799	0.66	1 310.1	1964	1992	GPP
2.00	0.130	0.80	12 550	49	0.802	0.66	1 341.0	1964	1990	ASSIGNED WELL 06-30-084-12W6M
5.85	0.160	0.65	11 240	57	0.844	0.65	1 340.2	1964	1991	SCEPTRE INVRNS KANNGAZ ESSO WCST GPP
5.36	0.147	0.80	16 270	65	0.865	0.60	1 889.0	1964	1992	PANALTA PRODUCTION DECLINE
5.79	0.170	0.80	16 340	63	0.832	0.67	1 859.6	1964	1990	SUMMIT INVRNS MATERIAL BALANCE
2.44	0.170	0.80	16 230	60	0.862	0.59	1 845.0	1958	1992	SUMMIT PRODUCTION DECLINE
5.79	0.140	0.80	16 350	58	0.849	0.61	1 859.3	1958	1992	
9.04	0.209	0.75	3 590	30	0.935	0.58	650.4	1977	1982	NRTHSTR TCPL
1.88	0.154	0.55	3 140	16	0.937	0.56	198.1	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.65	0.139	0.60	4 450	19	0.916	0.56	379.2	1973	1987	PART OF MED HAT POOL NO.3
0.88	0.216	0.60	5 690	27	0.904	0.56	574.5	1944	1987	PART OF 2WS POOL NO.1
1.00	0.120	0.65	5 270	20	0.901	0.58	612.5	1980	1988	
1.17	0.185	0.50	5 330	27	0.893	0.61	644.6	1910	1988	NORCEN ALT/ROA PROGAS HUSKY TCPL
								1909	1987	CRESTAR GARDNER NORCEN BVI PROGAS POCO
										CENTRA NCMI CWNGNUL TCPL ATCOR PRODUCTION DECLINE
2.89	0.210	0.40	2 700	21	0.948	0.59	401.9	1974	1990	TCPL PANALTA A&S
6.54	0.210	0.40	2 550	18	0.948	0.57	340.2	1974	1990	
1.90	0.250	0.50	2 630	21	0.946	0.58	386.3	1976	1990	TCPL PANALTA ESSO HUSKY AMOCO
								1974	1990	

[illegible]

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.10	0.156	0.90	32 610	97	0.954	0.71	2 926.8	1973	1990	BLUERGE TCPL ESSO DEEP CUT SL
1.80	0.250	0.90	34 080	79	0.953	0.78	2 963.6	1975	1978	
4.21	0.132	0.60	30 900	93	0.927	0.85	3 096.9	1975	1989	TCPL ESSO
12.50	0.100	0.90	27 380	95	0.887	0.85	3 162.9	1973	1989	CONOCO CWNGNUL PCI DEEP CUT SL
7.50	0.150	0.90	32 660	94	0.951	0.85	3 139.0	1989	1991	CONOCO DEEP CUT SL
28.60	0.050	0.90	20 630	113	0.898	0.73	2 742.0	1978	1990	
5.62	0.095	0.85	26 580	99	0.939	0.68	2 942.6	1979	1982	
3.85	0.070	0.85	26 580	99	0.942	0.66	2 925.7	1965	1985	MATERIAL BALANCE
2.62	0.050	0.80	26 580	99	0.943	0.67	2 905.5	1965	1986	MATERIAL BALANCE
1.24	0.050	0.90	26 580	99	0.943	0.67	2 807.6	1965	1965	MATERIAL BALANCE ASSIGNED WELL
3.91	0.100	0.80	26 800	95	0.940	0.67	3 021.8	10-02-045-12W5M	1984	
2.72	0.076	0.75	26 800	95	0.937	0.69	2 951.1	11-28-044-11W5M	1959	1985
1.51	0.044	0.75	26 800	95	0.937	0.69	3 057.1	PROGAS TCPL A&S	1959	1989
0.53	0.064	0.60	26 800	95	0.938	0.67	2 854.0	MATERIAL BALANCE	1959	1989
1.44	0.074	0.75	26 800	95	0.937	0.68	2 878.6	MATERIAL BALANCE	1959	1985
0.30	0.030	0.80	26 800	95	0.939	0.68	3 150.3	MATERIAL BALANCE ASSIGNED WELL	1985	
1.20	0.050	0.75	29 110	92	0.954	0.68	3 044.4	11-11-046-14W5M	1959	1990
0.80	0.059	0.70	26 800	95	0.939	0.68	3 184.2	MATERIAL BALANCE ASSIGNED WELL	1990	
0.70	0.040	0.60	26 800	95	0.939	0.68	2 869.7	11-11-046-14W5M	1959	1990
4.00	0.060	0.65	26 800	95	0.939	0.68	3 140.8	MATERIAL BALANCE ASSIGNED WELL	1990	
0.90	0.080	0.75	26 800	95	0.939	0.68	2 669.0	10-20-045-13W5M	1959	1990
0.69	0.065	0.80	26 800	95	0.939	0.68	2 808.8	MATERIAL BALANCE ASSIGNED WELL	1990	
1.30	0.060	0.80	26 800	95	0.939	0.68	3 154.7	06-06-045-13W5M	1959	1985
1.00	0.060	0.80	26 800	95	0.939	0.68	3 079.8	MATERIAL BALANCE	1959	1990
2.00	0.050	0.80	26 800	95	0.939	0.68	3 106.9	MATERIAL BALANCE ASSIGNED WELL	1990	
2.46	0.050	0.85	26 800	95	0.939	0.68	3 284.2	11-08-047-13W5M	1959	1990
1.30	0.065	0.75	26 800	95	0.939	0.68	2 636.4	MATERIAL BALANCE ASSIGNED WELL	1990	
1.95	0.078	0.75	26 800	95	0.937	0.68	3 062.5	07-13-047-15W5M	1959	1990
28.61	0.096	0.90	46 300	107	1.203	1.19	3 355.1	MATERIAL BALANCE ASSIGNED WELL	1990	
21.80	0.124	0.90	38 390	108	1.053	1.21	3 361.5	05-33-047-12W5M	1985	1988
26.07	0.054	0.85	70 730	117	1.678	0.70	3 844.4	MATERIAL BALANCE	1985	1988
29.76	0.100	0.85	50 590	104	1.259	0.79	3 271.8	GARDNER PROGAS PCI A&S TCPL ESSO	1977	1988
15.00	0.083	0.85	38 760	98	1.001	0.72	3 705.0	PROGAS PCI A&S LEAN GAS BRKTHR, GPP, DP	1977	1988
15.66	0.062	0.85	35 780	99	0.935	1.20	3 117.2	CUT SL	1978	1988
24.30	0.102	0.90	37 880	110	1.035	1.08	3 752.6	PROGAS PCI A&S LEAN GAS BREAKTHROUGH, GPP	1978	1988
18.34	0.104	0.90	37 050	113	0.943	1.06	3 718.1	PCI ESSO A&S LEAN GAS BREAKTHROUGH, GPP	1978	1988
24.80	0.070	0.85	54 510	114	1.211	0.92	3 669.8	PCI ESSO A&S LEAN GAS BREAKTHROUGH, GPP	1978	1988
								CHEL PCI ESSO MATERIAL BALANCE GAS CYCLING	1978	1988
								SCHEME	1978	1988
								TCPL GAS CYCLING SCHEME	1978	1988
								AMOCO PCI TCPL GAS CYCLING SCHEME	1978	1988
								CHEL PCI GAS CYCLING SCHEME	1978	1988
								TCPL HUSKY CNG MATERIAL BALANCE	1978	1988
								PCI A&S TCPL ESSO GAS CYCLING SCHEME	1978	1988
								PROGAS TCPL GAS CYCLING SCHEME	1978	1988
								TCPL ESSO GAS CYCLING, TOP/BASE TVD	1978	1988
								ALT/ROA PANALTA PCI	1978	1988

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
BRIKER 046-03W4 TOTAL-BRIKER	71			50		50		1 745	
BRINTNELL (SA) 081-23W4 TOTAL-BRINTNELL	43			25		25		922	
BRITTS (SA) 096-17W5 TOTAL-BRITTS	16			10		10		375	
BRONSON 057-17W5 TOTAL-BRONSON	561			383		383		14 912	
BROOKS 018-14W4 MILK RIVER A	444	0.70	0.05	295			37		3 498
MEDICINE HAT A	64	0.70	0.03	44			36		2 313
MEDICINE HAT C	54	0.50	0.03	26			36		1 487
MEDICINE HAT D	8	0.50	0.03	4			36		344
SE ALTA GAS SYS (MU) TOTAL	570	0.70	0.05	369	323	46	37	1 698	
TOTAL-BROOKS	570			369	323	46		1 698	
BROWN CREEK (SA) 044-17W5 TV 044-17	398	0.85	0.05	321		321	38	12 208	890
OTHER	240			162		162		6 323	
TOTAL-BROWN CREEK	638			483		483		18 531	
BROWVALE 081-26W5 TOTAL-BROWVALE	142			87		87		3 221	
BROXBURN 009-21W4 TOTAL-BROXBURN	46			26	26				
BRUCE 047-16W4 BELLY RIVER J	654	0.85	0.05	528	459	69	37	2 550	3 593
UPPER VIKING A		0.75	0.03				36		97 801
MIDDLE VIKING A		0.75	0.03				37		8 378
MIDDLE VIKING B	385	0.55	0.03	206			36		15 454
UPPER VIKING F		0.60	0.05				38		200
UPPER MANNVILLE Z	337	0.65	0.05	208			38		670
U VIK A&F & M VIK A&B TOTAL	5 375	0.75	0.05	3 910	2 739	1 171	37	43 374	
UPPER MANNVILLE ZZZ	455	0.70	0.05	303	242	61	37	2 233	490
UPPER MANNVILLE A2A	523	0.65	0.05	323	302	21	38	789	656
OTHER	11 164			7 197	2 981	4 216		156 623	
TOTAL-BRUCE	18 171			12 261	6 723	5 538		205 569	
BUFFALO LAKE 039-21W4 TOTAL-BUFFALO LAKE	641			307	81	226		8 887	
BUICK 090-02W6 TOTAL-BUICK	76			50		50		1 846	
BURDETT 009-10W4 TOTAL-BURDETT	175			124	8	116		4 293	
BURNT TIMBER 031-09W5 RUNDLE A	19 531	0.80	0.20	12 500			39		4 454
RUNDLE B	2 484	0.80	0.20	1 590			39		2 204
RUNDLE A & B TOTAL	22 015	0.80	0.20	14 090	9 917	4 173	39	162 455	
WABAMUN A	4 720	0.75	0.50	1 770	1 198	572	38	21 730	2 992
TOTAL-BURNT TIMBER	26 735			15 860	11 115	4 745		184 185	
BYEMOOR 034-19W4 TOTAL-BYEMOOR	328			209	43	166		6 174	
CACHE 058-12W4 VIKING A	1 529	0.40	0.05	581	35	546	37	20 251	32 584

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
4.58	0.154	0.55	3 140	16	0.935	0.57	369.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.64	0.170	0.55	4 310	17	0.916	0.56	460.7	1904	1989	PART OF MED HAT POOL NO.1
0.92	0.139	0.60	4 450	19	0.916	0.56	484.4	1973	1987	PART OF MED HAT POOL NO.3
0.59	0.139	0.60	4 450	19	0.916	0.56	497.8	1973	1987	PART OF MED HAT POOL NO.4
								1904	1987	PANCDN CANST PANALTA CWNGNUL TCPL
4.15	0.057	0.80	30 800	101	0.990	0.61	3 364.5	1960	1989	ENCOR PROGAS GULF BER
3.15	0.285	0.60	2 740	20	0.947	0.56	371.3	1970	1990	POCO HOME KANNGAZ A&S TCPL PART OF BR POOL NO.2 PRODUCTION DECLINE
1.23	0.204	0.65	5 650	26	0.895	0.61	793.3	1917	1989	PART OF VIK POOL NO.2 MATERIAL BALANCE
2.19	0.201	0.65	5 650	26	0.895	0.59	813.7	1917	1985	PART OF VIK POOL NO.2 MATERIAL BALANCE
1.15	0.220	0.50	5 650	27	0.899	0.60	745.9	1952	1985	PART OF VIK POOL NO.2 PRODUCTION DECLINE
1.24	0.230	0.55	3 960	25	0.921	0.59	735.5	1976	1976	PART OF VIK POOL NO.2 MATERIAL BALANCE
2.43	0.258	0.75	6 070	27	0.887	0.59	873.4	1975	1988	PART OF VIK POOL NO.2 PRODUCTION DECLINE
								1917	1988	POCO NORCEN AMERADA CNRL HOME ESSO BVI PROGAS PANALTA NCMI CWNGNUL KANNGAZ A&S TCPL PART OF VIK POOL NO.2
1.44	0.241	0.65	6 170	29	0.891	0.60	884.4	1977	1986	HOME TCPL MATERIAL BALANCE
3.54	0.266	0.75	6 140	28	0.889	0.58	873.1	1976	1987	POCO HOME TCPL PRODUCTION DECLINE
31.61	0.067	0.90	26 610	94	0.916	0.71	3 210.9	1959	1990	TOP/BASE TVD
9.27	0.069	0.80	25 860	100	0.895	0.75	3 339.5	1959	1988	TOP/BASE TVD
								1959	1988	TCPL PRODUCTION PRORATED OUT WITH WABAMUN A
13.39	0.055	0.80	31 720	116	0.867	0.88	3 748.7	1976	1989	TCPL MATERIAL BALANCE TOP/BASE TVD, PRODUCTION PRORATED
0.83	0.245	0.55	4 000	21	0.922	0.57	443.9	1949	1991	POCO NORCEN ATCOR BVI SCEPTRE PANALTA NCMI HUSKY TCPL SASKEN PART OF VIK POOL NO.6

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CACHE 058-12W4 (CONTINUED)									
COLONY D	646	0.80	0.05	491	184	307	38	11 528	2 132
COLONY G	471	0.80	0.05	358	300	58	37	2 173	593
COLONY P	415	0.80	0.05	315	107	208	37	7 706	1 081
COLONY OO	394	0.82	0.05	307	297	10	37	374	946
COLONY B		0.75	0.05				35		1 530
COLONY C		0.75	0.05				35		1 221
COLONY S		0.75	0.05				38		200
COLONY B, C & S TOTAL	541	0.75	0.05	386	362	24	36	861	
COLONY BB	71	0.65	0.05	44			38		745
COLONY EE	112	0.70	0.05	74			38		1 262
COLONY HH	328	0.80	0.05	249			38		2 608
COLONY BB, EE & HH TOTAL	511	0.75	0.05	367	353	14	38	530	
COLONY DD		0.75	0.05				37		880
COLONY FF		0.75	0.05				38		750
COLONY DD & FF TOTAL	486	0.75	0.05	346	309	37	38	1 391	
COLONY E	329	0.75	0.05	235			38		2 744
COLONY RR	9	0.70	0.05	6			38		150
COLONY F	103	0.70	0.05	68			37		903
COLONY E, F & RR TOTAL	441	0.75	0.05	309	152	157	38	5 889	
CLEARWATER B	1 139	0.70	0.05	757	757	< 1	37	-	3 843
OTHER	4 873			3 172	1 659	1 513		56 465	
TOTAL-CACHE	11 446			7 389	4 515	2 874		107 168	
CADOTTE 086-19W5									
TOTAL-CADOTTE	588			397	191	206		7 655	
CALAIS 070-25W5									
TOTAL-CALAIS	411			259	59	200		7 281	
CALLING LAKE 071-18W4									
MCMURRAY A	214	0.55	0.05	112			37		3 075
D-2 A	523	0.75	0.05	372			37		1 763
MCMURRAY A & D-2 A TOTAL	737	0.70	0.05	484	124	360	37	13 338	
D-2 B	3 158	0.67	0.05	2 010	1 792	218	37	8 046	6 580
D-2 C	610	0.80	0.05	464	55	409	37	15 063	3 867
D-2 D	489	0.70	0.05	325	30	295	37	10 824	1 487
OTHER	708			437	43	394		14 492	
TOTAL-CALLING LAKE	5 702			3 720	2 044	1 676		61 763	
CALLING LAKE SOUTH 070-22W4									
TOTAL-CALLING LAKE SOUTH	604			375	70	305		11 310	
CALLING LAKE WEST 071-20W4									
UPPER MANNVILLE A	501	0.70	0.05	333			38		3 557
UPPER MANNVILLE C	42	0.50	0.05	20			38		1 573
UPPER MANNVILLE A & C TOTAL	543	0.70	0.05	353	273	80	38	3 004	
OTHER	1 145			719	232	487		17 998	
TOTAL-CALLING LAKE WEST	1 688			1 072	505	567		21 002	
CAMPBELL-NAMAD 054-25W4									
BLAIRMORE E SOLN	120	0.65	0.10	70 ^b			38		
BLAIRMORE E ASSOC	848	0.90	0.10	687 ^b	491 ^b	266	38	10 220	704
BLAIRMORE A ASSOC		0.80	0.10				38		161
BLAIRMORE A SOLN	117	0.65	0.10	68 ^b			38		
BLAIRMORE A ASSOC		0.80	0.10				38		335
BLAIRMORE A ASSOC		0.80	0.10				39		49
BLAIRMORE A ASSOC		0.80	0.10				39		207
BLAIRMORE A ASSOC		0.80	0.10				39		80
BLAIRMORE A ASSOC		0.80	0.10				36		50
BLAIRMORE A ASSOC		0.80	0.10				36		79
BLAIRMORE A ASSOC		0.80	0.10				38		36
BLAIRMORE A ASSOC		0.80	0.10				38		34
BLAIRMORE A ASSOC		0.80	0.10				36		52
BLAIRMORE A TOTAL	1 312	0.80	0.10	928 ^b	723 ^b	205	38	7 774	
BLAIRMORE J ASSOC		0.65	0.10				38		396
BLAIRMORE J SOLN	48	0.65	0.25	23 ^b			38		
BLAIRMORE J ASSOC		0.65	0.10				38		64
BLAIRMORE J TOTAL	908	0.65	0.10	526 ^b	399 ^b	127	38	4 829	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
5.12	0.259	0.60	3 650	21	0.927	0.57	478.7	1952	1977	PANALTA HUSKY CWNGNUL TCPL SASKEN SLUSH OIL
2.99	0.280	0.70	3 390	22	0.934	0.57	499.4	1965	1985	TCPL SASKEN MATERIAL BALANCE
4.86	0.286	0.75	3 520	19	0.932	0.56	498.3	1977	1981	SCEPTRE ATCOR PANALTA NCMI TCPL SASKEN
3.12	0.335	0.80	3 550	22	0.932	0.56	474.1	1970	1992	PANALTA SASKEN MATERIAL BALANCE
1.30	0.277	0.70	3 790	19	0.928	0.59	484.1	1971	1989	MATERIAL BALANCE
1.62	0.298	0.65	3 850	21	0.929	0.59	488.5	1971	1989	MATERIAL BALANCE
1.82	0.250	0.60	3 910	18	0.921	0.56	489.8	1971	1989	MATERIAL BALANCE
								1971	1989	PANALTA TCPL
1.46	0.272	0.70	3 320	21	0.934	0.57	480.4	1977	1981	
1.33	0.269	0.60	3 920	21	0.920	0.58	486.3	1973	1982	
1.66	0.292	0.65	3 800	21	0.922	0.58	481.3	1971	1981	
								1971	1982	PANALTA TCPL SASKEN
1.33	0.290	0.60	4 220	21	0.918	0.57	483.0	1958	1985	MATERIAL BALANCE
1.42	0.295	0.70	4 270	21	0.913	0.58	477.0	1958	1981	MATERIAL BALANCE
								1958	1982	AMOCO SASKEN
1.54	0.305	0.70	3 510	21	0.931	0.57	492.6	1973	1986	
1.50	0.230	0.50	3 370	27	0.938	0.57	509.6	1978	1986	
1.75	0.272	0.65	3 570	22	0.932	0.56	484.2	1973	1986	
								1973	1986	PANALTA SASKEN
2.33	0.313	0.65	3 850	21	0.927	0.56	573.1	1973	1992	
2.39	0.202	0.60	2 400	24	0.955	0.56	460.6	1964	1992	
12.30	0.149	0.65	2 450	21	0.951	0.58	475.5	1964	1991	
								1964	1991	SUNCOR SASKOIL
9.34	0.115	0.70	2 450	19	0.951	0.57	466.0	1964	1990	SUNCOR SASKOIL MATERIAL BALANCE
7.77	0.120	0.65	2 520	17	0.949	0.57	473.2	1978	1986	SUNCOR CANST CNRL PANALTA TCPL
13.55	0.165	0.65	2 230	20	0.956	0.58	485.0	1988	1991	SUNCOR SASKOIL KANNGAZ
2.75	0.314	0.55	2 880	20	0.943	0.57	425.5	1970	1991	
0.80	0.277	0.55	2 130	18	0.957	0.57	309.2	1970	1991	
								1970	1991	SASKOIL PANALTA
9.11	0.192	0.80	8 380	46	0.868	0.65	1 103.9	1951	1982	UNIGAS TCPL GPP
1.67	0.185	0.60	8 200	38	0.844	0.66	1 116.7	1951	1982	UNIGAS TCPL GPP
								1949	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
								1949	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
1.65	0.150	0.50	8 200	38	0.844	0.66	1 120.4	1949	1986	PRODUCTION DECLINE
2.86	0.200	0.50	8 020	36	0.816	0.70	1 128.2	1949	1986	PRODUCTION DECLINE
3.41	0.200	0.50	7 350	36	0.829	0.70	1 128.6	1949	1986	PRODUCTION DECLINE
2.06	0.203	0.55	8 020	36	0.816	0.70	1 125.3	1949	1986	PRODUCTION DECLINE
1.46	0.200	0.50	7 060	36	0.867	0.67	1 131.9	1949	1986	PRODUCTION DECLINE
1.09	0.200	0.50	8 370	37	0.849	0.67	1 132.4	1949	1986	PRODUCTION DECLINE
1.81	0.190	0.50	8 370	37	0.840	0.66	1 137.0	1949	1986	PRODUCTION DECLINE
1.76	0.190	0.50	8 370	37	0.840	0.66	1 137.1	1949	1986	PRODUCTION DECLINE
2.29	0.200	0.55	8 370	37	0.849	0.67	1 131.2	1949	1988	PRODUCTION DECLINE
								1949	1986	NORCEN TCPL CONCURRENT PRODUCTION
5.37	0.225	0.60	7 950	36	0.865	0.64	1 135.6	1976	1988	PRODUCTION DECLINE CONCURRENT PRODUCTION, TOP/BASE TVD
						0.64		1976	1988	PRODUCTION DECLINE CONCURRENT PRODUCTION, TOP/BASE TVD
4.00	0.220	0.70	7 970	36	0.865	0.64	1 137.7	1976	1988	PRODUCTION DECLINE ASSIGNED WELL
								1976	1988	05-12-054-25W4M
										CNWE TCPL CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CAMPBELL-NAMAO 054-25W4 (CONTINUED)									
OTHER	1 264			819	420	399		15 270	
TOTAL-CAMPBELL-NAMAO	4 452			3 030	2 033	997		38 093	
CANAL 070-23W4									
WABAMUN B	501	0.85	0.05	405	58	347	37	12 818	1 726
OTHER	317			199	9	190		7 088	
TOTAL-CANAL	818			604	67	537		19 906	
CANARD 057-09W4									
TOTAL-CANARD	1 892			1 191	567	624		23 257	
CAPRON 026-02W4									
TOTAL-CAPRON	966			647	98	549		20 730	
CARBON 029-22W4									
BELLY RIVER C	382	0.80	0.05	291			36		1 489
BELLY RIVER J	63	0.55	0.05	33			36		493
BELLY RIVER C & J TOTAL	445	0.75	0.05	324	150	174	36	6 288	
BELLY RIVER K	71	0.65	0.05	44			37		250
VIKING D	2 013	0.79	0.10	1 431			39		7 108
BELLY R K & VIKING D TOTAL	2 084	0.80	0.10	1 475	1 371	104	39	4 091	
GLAUCONITIC		0.80	0.01				39		6 465
GLAUCONITIC		0.80	0.01				39		5 564
GLAUCONITIC TOTAL	5 101	0.80	0.05	4 040	1 780	2 260	39	87 982	
ELLERSLIE A	653	0.75	0.10	441	274	167	39	6 555	150
OTHER	2 506			1 580	778	802		30 974	
TOTAL-CARBON	10 789			7 860	4 353	3 507		135 890	
CARDIFF 054-02W5									
ELLERSLIE A	700	0.90	0.10	567	533	34	39	1 334	1 232
OTHER	537			366	2	364		14 124	
TOTAL-CARDIFF	1 237			933	535	398		15 458	
CARIBOU 062-10W5									
TOTAL-CARIBOU	230			163	21	142		5 376	
CARIBOU LAKE (SA) 117-12W5									
TOTAL-CARIBOU LAKE	71			48		48		1 741	
CARMANGAY 013-22W4									
TOTAL-CARMANGAY	52			32		32		1 259	
CAROLINE 035-06W5									
CARDIUM E SOLN	5 690	0.29	0.15	1 403 ^b			42		
CARDIUM E ASSOC		0.55	0.05		598 ^b	805	42	33 552	
CARDIUM M	963	0.90	0.10	780			41		1 137
CARDIUM N	88	0.80	0.15	60			41		400
CARDIUM M & N TOTAL	1 051	0.90	0.10	840	331	509	41	20 798	
VIKING A ASSOC	4 462	0.92	0.05	3 900 ^b			40		16 623
VIKING A SOLN	880	0.65	0.15	486 ^b			40		
1ST WHITE SPKS A&VIKA TOTAL	5 342	0.90	0.05	4 386 ^b	3 425 ^b	961	40	38 123	
GLC SS 033-05									
GLAUCONITIC C	444	0.75	0.10	300		300	41	12 246	729
BASAL MANNVILLE K	459	0.85	0.05	371			40		1 094
BASAL MANNVILLE R	850	0.75	0.10	574			41		2 459
BASAL MANNVILLE GG	197	0.80	0.10	142			41		822
BASAL MANNVILLE QQ	2 855	0.65	0.10	1 670			40		5 312
BASAL MANNVILLE RR	482	0.75	0.10	326			41		2 142
BASAL MANNVILLE RR	109	0.75	0.10	74			40		961
BASAL MANNVILLE KKK	29	0.75	0.10	20			41		150
BASAL MANNVILLE LLL	42	0.75	0.10	29			41		150
BASAL MANNVILLE MMM	73	0.75	0.10	50			41		150
BASAL MANNVILLE M2M	49	0.75	0.10	33			41		150
BASAL MANNVILLE N2N	96	0.75	0.10	65			41		150
BASAL MANNVILLE O2O	26	0.75	0.10	18			41		150
BASAL MANNVILLE P2P	49	0.75	0.10	33			41		150

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
5.28	0.230	0.80	2 960	26	0.943	0.61	594.8	1972	1992	CANST DART CNRL TCPL
5.65 2.94	0.252 0.223	0.60 0.60	2 980 3 240	25 27	0.946 0.943	0.59 0.59	579.1 748.9	1973 1975	1991 1991	NORCEN A&S PANALTA CWNGNUL PART OF VIK POOL NO.3 OPINAC NORCEN PANCDN CONTIN CWNGNUL A&S PART OF VIK POOL NO.3 PRODUCTION DECLINE PART OF VIK POOL NO.3
3.10 2.02	0.300 0.149	0.70 0.65	4 210 8 180	25 41	0.924 0.839	0.58 0.66	616.5 1 299.2	1980 1959	1992 1992	MATERIAL BALANCE MATERIAL BALANCE PANCDN A&S OPINAC KANNGAZ CWNGNUL TCPL KANNGAZ PRODUCTION DECLINE
1.99 5.21 9.80	0.191 0.193 0.210	0.60 0.60 0.85	10 170 10 170 10 240	50 50 53	0.835 0.835 0.821	0.66 0.66 0.70	1 440.8 1 448.8 1 468.9	1955 1955 1988	1990 1990 1991	AMERADA PANCDN ESSO PROGAS NORCEN MATERIAL BALANCE
1.71	0.185	0.70	10 440	41	0.803	0.68	1 321.3	1977	1988	POCO CHEL PROGAS PANALTA DIRECT TCPL SECONDARY GAS CAP, GPP POCO CHEL PROGAS PANALTA DIRECT TCPL SECONDARY GAS CAP, GPP TOP/BASE TVD TOP/BASE TVD CANST MORRIS NRTHRGE CHEL CONCURRENT PRODUCTION CONCURRENT PRODUCTION CNWE CHEL ALT/ROA AMERADA VECTOR TCPL SHELL PANALTA NORCEN DIRECT DEKALB CONCURRENT PRODUCTION NRTHRGE AMOCO CHEL
3.95 1.90	0.116 0.056	0.75 0.80	26 910 27 250	77 73	0.887 0.869	0.83 0.76	2 481.8 2 485.0	1987 1988	1990 1989	
2.02	0.113	0.70	17 260	74	0.842	0.68 0.68	2 397.9	1956 1956 1956	1991 1991 1991	
2.75 1.97 1.69 1.43 2.92 1.19 0.85 0.80 1.70 1.60 1.80 3.20 1.00 2.00	0.113 0.119 0.108 0.087 0.102 0.103 0.084 0.130 0.100 0.162 0.100 0.110 0.095 0.095	0.80 0.80 0.75 0.75 0.75 0.80 0.70 0.85 0.75 0.85 0.80 0.80 0.80 0.75	27 990 24 450 28 480 28 480 27 120 26 100 26 060 26 300 26 300 26 300 26 100 26 100 26 100 26 100	83 76 80 75 80 87 87 96 96 96 89 90 87 88	0.913 0.890 0.909 0.906 0.908 0.899 0.905 0.913 0.913 0.913 0.902 0.903 0.899 0.901	0.68 0.65 0.70 0.68 0.68 0.69 0.68 0.69 0.69 0.69 0.69 0.69 0.69	2 767.6 2 885.8 3 007.9 2 994.3 2 935.2 2 990.0 2 953.1 2 956.5 2 940.7 2 845.9 3 063.9 3 086.9 2 903.0 2 922.6	1982 1981 1980 1980 1969 1981 1981 1984 1984 1982 1983 1983 1981 1981	1987 1990 1987 1985 1990 1987 1987 1985 1985 1985 1987 1987 1987 1987	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CAROLINE 035-06W5 (CONTINUED)									
BASAL MANNVILLE 020	29	0.75	0.10	20			41		150
BASAL MANNVILLE R2R	67	0.75	0.10	45			40		150
BASAL MANNVILLE B2B	66	0.80	0.15	45			41		150
BASAL MANNVILLE S2S	112	0.75	0.10	76			40		591
BASAL MANNVILLE G3G	113	0.80	0.10	81			41		566
GLAUC & BSL MANN MU 1 TOTAL	5 703	0.70	0.10	3 672	480	3 192	40	127 967	
GLAUCONITIC U	335	0.80	0.10	241			41		300
BASAL MANNVILLE P3P	36	0.80	0.10	26			41		275
BASAL MANNVILLE 030	123	0.80	0.10	88			41		300
BASAL MANNVILLE R3R	10	0.80	0.10	7			41		100
BASAL MANNVILLE S3S	28	0.80	0.10	20			41		150
GLAUC & BSL MANN MU#2 TOTAL	532	0.80	0.10	382	32	350	41	14 287	
BASAL MANNVILLE B	700	0.80	0.15	476	422	54	42	2 292	150
BASAL MANNVILLE G	508	0.85	0.10	389	373	16	41	662	150
BASAL MANNVILLE I	592	0.85	0.10	453			40		879
BASAL MANNVILLE XX	112	0.75	0.10	76			40		300
BASAL MANNVILLE YY	22	0.75	0.10	15			40		300
BASAL MANNVILLE AAA	72	0.75	0.10	49			40		300
BMN I,XX,YY & AAA TOTAL	798	0.80	0.10	593	52	541	40	21 705	
BASAL MANNVILLE AA	205	0.90	0.15	157			42		971
BASAL MANNVILLE BBB	87	0.75	0.15	55			42		647
BASAL MANNVILLE CCC	191	0.85	0.15	138			42		614
BSL MANN AA,BBB & CCC TOTAL	483	0.85	0.15	350	76	274	42	11 415	
BASAL MANNVILLE A	2 500	0.80	0.10	1 800			40		5 692
BASAL MANNVILLE L	524	0.80	0.10	377			40		2 363
BASAL MANNVILLE 00	585	0.80	0.10	421			41		1 621
BASAL MANNVILLE PP	38	0.80	0.10	27			41		300
BASAL MANNVILLE SS	167	0.80	0.10	121			40		656
BASAL MANNVILLE ZZ	22	0.80	0.10	16			41		150
BASAL MANNVILLE DDD	42	0.75	0.10	29			41		128
BASAL MANNVILLE JJJ	30	0.80	0.10	22			41		150
BASAL MANNVILLE YYY	116	0.75	0.10	78			41		300
BASAL MANNVILLE TTT ASSOC	34	0.75	0.15	22			42		150
BASAL MANNVILLE J2J	115	0.75	0.10	77			40		842
BASAL MANNVILLE T2T	343	0.85	0.15	248			42		1 082
BASAL MANNVILLE U2U	27	0.75	0.10	18			41		150
BASAL MANNVILLE V2V	20	0.80	0.10	14			40		150
BASAL MANNVILLE W2W	11	0.75	0.10	7			40		150
BASAL MANNVILLE C3C	22	0.75	0.10	15			40		128
GLAUCONITIC I	109	0.75	0.10	74			41		128
BASAL MANNVILLE B3B	22	0.80	0.10	16			40		128
BASAL MANNVILLE W3W	20	0.75	0.15	13			41		150
BASAL MANNVILLE X3X	34	0.75	0.15	22			41		150
BASAL MANNVILLE MU #3 TOTAL	4 781	0.80	0.10	3 417	981	2 436	41	98 804	
GLAUCONITIC H	472	0.70	0.10	297			41		638
BASAL MANNVILLE 000	37	0.75	0.10	25			40		300
BASAL MANNVILLE PPP	31	0.75	0.10	21			40		150
BASAL MANNVILLE 000	42	0.75	0.10	29			40		150
BASAL MANNVILLE RRR	281	0.80	0.10	203			40		757
BASAL MANNVILLE Z2Z	69	0.80	0.15	47			41		300
BASAL MANNVILLE MU #4 TOTAL	932	0.75	0.10	622	98	524	41	21 322	
BASAL MANNVILLE K2K	203	0.80	0.10	146			40		300
BASAL MANNVILLE L2L	162	0.80	0.10	117			40		823
BASAL MANNVILLE X2X	133	0.75	0.10	90			41		300
BASAL MANNVILLE MU #5 TOTAL	498	0.80	0.10	353	96	257	40	10 337	
OSTRACOD A	306	0.85	0.10	234			39		821
GLAUCONITIC F	325	0.85	0.10	249			40		1 064
BASAL MANNVILLE O	77	0.75	0.10	52			40		300
BASAL MANNVILLE Y	5 778	0.60	0.10	3 120			40		8 689
BASAL MANNVILLE EE	219	0.75	0.10	148			39		970
BASAL MANNVILLE FF	142	0.75	0.10	96			39		150
BASAL MANNVILLE HH	170	0.75	0.10	115			40		999
BASAL MANNVILLE II	136	0.75	0.10	92			40		565
BASAL MANNVILLE JJ	20	0.75	0.10	14			40		150
BASAL MANNVILLE KK	64	0.75	0.10	43			40		300
BASAL MANNVILLE LL	22	0.75	0.10	15			40		150
BASAL MANNVILLE GGG	80	0.75	0.10	54			39		150
BASAL MANNVILLE HHH	90	0.75	0.10	61			39		432
BASAL MANNVILLE III	67	0.75	0.10	45			39		300

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.00	0.100	0.85	26 100	89	0.902	0.69	2 931.0	1981	1987	AMERADA MORRIS HOME NRTHRGE CHEL TCPL AMOCO A&S DIRECT GULF
2.00	0.120	0.90	23 600	90	0.888	0.69	2 998.5	1984	1987	
2.00	0.100	0.80	31 300	77	0.921	0.79	2 838.0	1982	1985	
0.90	0.114	0.80	26 100	84	0.903	0.68	2 832.7	1961	1990	
0.89	0.110	0.80	28 600	80	0.905	0.72	2 812.6	1982	1990	
								1961	1990	
5.50	0.105	0.80	27 930	86	0.916	0.68	2 594.5	1988	1989	TCPL CHEL A&S PRODUCTION DECLINE CHEL A&S PRODUCTION DECLINE
0.55	0.126	0.80	27 810	87	0.917	0.69	2 617.1	1988	1989	
1.50	0.135	0.85	27 970	90	0.921	0.68	2 657.1	1988	1988	
0.50	0.100	0.80	27 850	87	0.916	0.68	2 615.8	1988	1989	
1.00	0.090	0.85	27 840	87	0.916	0.68	2 625.4	1988	1989	
6.85	0.070	0.75	29 370	86	0.911	0.77	2 890.7	1958	1989	CHEL PROGAS TCPL A&S
26.10	0.110	0.85	19 760	93	0.871	0.67	2 958.9	1981	1992	
2.91	0.137	0.80	24 200	92	0.893	0.69	2 886.8	1980	1985	
2.00	0.110	0.80	24 200	91	0.891	0.69	2 910.1	1980	1985	
0.40	0.109	0.80	24 200	92	0.893	0.70	2 888.0	1980	1985	
1.60	0.086	0.80	24 500	86	0.888	0.69	2 896.9	1980	1991	CNWE A&S
0.90	0.130	0.80	24 690	84	0.872	0.74	2 645.9	1976	1991	
0.75	0.114	0.70	24 690	84	0.872	0.74	2 677.1	1976	1985	
1.49	0.132	0.70	24 690	84	0.872	0.74	2 683.6	1976	1986	
2.00	0.117	0.80	26 730	87	0.900	0.71	2 691.7	1957	1991	
0.90	0.126	0.85	26 370	88	0.903	0.70	2 650.2	1964	1991	GPP
1.57	0.118	0.80	27 850	87	0.904	0.73	2 815.6	1960	1990	
0.70	0.094	0.75	30 530	91	0.934	0.73	2 773.4	1981	1985	
0.90	0.139	0.85	27 450	84	0.914	0.67	2 650.8	1980	1984	
0.80	0.090	0.80	29 330	89	0.921	0.73	2 774.0	1981	1985	
1.80	0.100	0.75	28 000	92	0.904	0.76	2 837.4	1981	1985	CHEL HDME DEKALB PANALTA TCPL A&S AMOCO NORCEN
1.00	0.100	0.80	29 330	89	0.921	0.73	2 792.3	1981	1985	
1.43	0.120	0.80	30 940	69	0.914	0.75	2 690.4	1973	1989	
0.90	0.130	0.75	27 550	72	0.869	0.76	2 694.3	1957	1987	
0.66	0.106	0.85	26 010	87	0.898	0.70	2 639.4	1980	1989	
1.42	0.116	0.85	23 840	80	0.848	0.74	2 674.3	1982	1987	HOME SHELL TCPL
0.80	0.110	0.85	28 300	89	0.908	0.74	2 664.1	1982	1987	
0.60	0.110	0.80	28 860	75	0.928	0.69	2 817.6	1960	1990	
0.45	0.090	0.80	24 810	75	0.867	0.71	2 783.0	1981	1985	
0.85	0.114	0.80	22 660	79	0.846	0.74	2 638.8	1963	1991	
4.00	0.120	0.85	22 600	83	0.862	0.71	2 594.5	1984	1987	NORCEN MORRIS CHEL NRTHRGE
1.00	0.090	0.70	29 920	72	0.916	0.70	2 668.3	1987	1987	
0.90	0.090	0.75	21 640	71	0.822	0.73	2 625.6	1983	1988	
1.20	0.110	0.80	21 640	71	0.822	0.73	2 639.4	1983	1988	
								1960	1990	
3.22	0.125	0.80	25 680	87	0.882	0.73	2 556.1	1984	1989	HOME SHELL TCPL
0.60	0.112	0.80	25 880	85	0.896	0.69	2 583.9	1984	1988	
0.85	0.125	0.80	27 140	79	0.899	0.69	2 599.8	1984	1990	
1.30	0.110	0.85	25 880	85	0.896	0.69	2 598.5	1984	1985	
1.76	0.108	0.80	27 140	79	0.899	0.69	2 611.7	1984	1989	
0.75	0.137	0.85	28 840	79	0.889	0.80	2 629.9	1985	1986	NORCEN MORRIS CHEL NRTHRGE
								1984	1990	
2.50	0.109	0.85	38 770	91	1.037	0.73	3 116.0	1983	1986	
0.92	0.104	0.75	36 680	100	1.021	0.69	3 147.4	1970	1990	
1.50	0.129	0.80	38 770	98	1.040	0.70	3 179.6	1985	1987	
								1983	1990	
2.51	0.094	0.80	22 800	93	0.896	0.68	2 892.6	1980	1991	NORCEN MORRIS CHEL NRTHRGE
1.70	0.092	0.85	25 710	90	0.917	0.64	2 768.3	1982	1989	
1.00	0.125	0.90	25 770	91	0.888	0.75	2 869.2	1980	1987	
4.05	0.105	0.75	23 660	90	0.889	0.69	2 856.4	1978	1992	
1.58	0.094	0.75	22 600	88	0.880	0.70	2 915.2	1980	1991	
4.00	0.140	0.85	22 600	91	0.885	0.70	2 943.0	1980	1988	
1.20	0.095	0.75	22 470	94	0.874	0.73	2 946.9	1979	1992	
1.44	0.092	0.80	26 000	90	0.899	0.72	2 894.8	1981	1992	
1.40	0.075	0.65	22 200	92	0.868	0.73	2 936.5	1979	1988	
1.15	0.095	0.80	26 750	78	0.890	0.71	2 904.2	1981	1992	
1.22	0.080	0.80	19 800	78	0.850	0.69	2 980.8	1980	1988	
4.20	0.100	0.60	24 230	90	0.902	0.68	2 858.2	1979	1985	
1.17	0.103	0.85	23 000	89	0.892	0.68	2 800.6	1980	1985	
1.35	0.096	0.85	23 000	89	0.892	0.68	2 806.6	1980	1990	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CAROLINE 035-06W5 (CONTINUED)									
BASAL MANNVILLE Y2Y	27	0.75	0.10	18			40		200
BASAL MANNVILLE H3H	36	0.75	0.10	24			40		128
BASAL MANNVILLE I3I	25	0.75	0.10	17			40		128
BASAL MANN & OST MU TOTAL	7 584	0.65	0.10	4 397	1 004	3 393	40	136 670	
RUNDLE A ASSOC	153	0.75	0.15	98 ^b			40		492
RUNDLE A SOLN	4 783	0.46	0.38	1 364 ^b			40		
RUNDLE A ASSOC	180	0.75	0.15	115 ^b			40		278
RUNDLE A ASSOC	11	0.75	0.15	7 ^b			40		45
RUNDLE A ASSOC	69	0.75	0.15	44 ^b			41		200
RUNDLE A TOTAL	5 196	0.50	0.35	1 628 ^b	1 310 ^b	318	40	12 739	
ELKTON A	692	0.85	0.20	470	441	29	42	1 204	512
ELKTON I	495	0.85	0.15	358	259	99	40	3 929	400
ELKTON P	713	0.90	0.20	514	40	474	41	19 496	200
LED 16-034-07	1 013	0.85	0.35	560		560	36	20 311	200
BEAVERHILL LAKE A	64 707	c	c	22 221	191	22 030	43a	937 597	12 419
SW HL 36-034-06	1 571	0.85	0.60	534		534	43	22 877	400
OTHER	13 939			5 490	946	4 544		182 417	
TOTAL-CAROLINE	123 372			53 355	11 155	42 200		1 750 750	
CARROT CREEK 052-12W5									
LOWER MANNVILLE G	798	0.85	0.15	576			41		1 148
LOWER MANNVILLE L	240	0.85	0.20	163			41		511
LOWER MANNVILLE O	123	0.75	0.15	78			41		300
LOWER MANNVILLE G,L&O TOTAL	1 161	0.85	0.15	817	223	594	41	24 164	
LOWER MANNVILLE Q	303	0.85	0.15	219			40		128
JURASSIC T	394	0.80	0.10	284			41		608
L MANN Q & JUR T TOTAL	697	0.80	0.10	503	317	186	41	7 622	
LOWER MANNVILLE M SOLN	1 077	0.65	0.40	420			41		
JURASSIC V ASSOC	46	0.70	0.10	29			40		217
JURASSIC W ASSOC	34	0.70	0.10	22			40		170
LMAN M, JUR O,P,V&W TOTAL	1 157	0.65	0.40	471	200	271	41	11 224	
OTHER	5 619			3 243	833	2 410		96 175	
TOTAL-CARROT CREEK	8 634			5 034	1 573	3 461		139 185	
CARSON CREEK 061-12W5									
BEAVERHILL LAKE B	10 941	c	c	8 030	6 605	1 425	42a	59 351	8 415
OTHER	52			27	10	17		663	
TOTAL-CARSON CREEK	10 993			8 057	6 615	1 442		60 014	
CARSON CREEK NORTH 062-12W5									
BEAVERHILL LAKE A ASSOC	543	0.65	0.15	300 ^b			42		1 155
BEAVERHILL LAKE A SOLN	16 495	0.46	0.15	6 450 ^b			42		
BEAVERHILL LAKE B ASSOC	149	0.65	0.15	82 ^b			42		286
BEAVERHILL LAKE A&B TOTAL	17 187	0.45	0.15	6 832 ^b	5 442 ^b	1 390	42	57 935	
OTHER	129			85	10	75		2 921	
TOTAL-CARSON CREEK NORTH	17 316			6 917	5 452	1 465		60 856	
CARSTAIRS 030-02W5									
ELKTON A	29 728	0.93	0.15	23 500	22 110	1 390	40	55 989	6 316
ELKTON C	638	0.80	0.15	434	113	321	40	12 972	200
OTHER	742			482	40	442		17 667	
TOTAL-CARSTAIRS	31 108			24 416	22 263	2 153		86 628	
CARVEL 053-02W5									
TOTAL-CARVEL	568			380		380		14 282	
CASLAN 065-17W4									
NISKU A	573	0.75	0.05	409	252	157	37	5 804	1 739
OTHER	664			419	166	253		9 514	
TOTAL-CASLAN	1 237			828	418	410		15 318	
CAVALIER 024-23W4									
TOTAL-CAVALIER	149			89		89		3 288	
CAW (SA) 061-06W6									
TOTAL-CAW	91			60		60		2 406	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.20	0.080	0.65	22 920	77	0.856	0.71	2 869.2	1984	1990	ALT/ROA HOME PROGAS TCPL A&S AMOCO VECTOR DIRECT GULF DRY GAS BREAKTHROUGH DRY GAS BREAKTHROUGH
2.00	0.100	0.65	23 770	85	0.883	0.69	2 854.3	1984	1986	
1.30	0.110	0.65	23 770	85	0.883	0.69	2 859.2	1984	1986	
								1978	1992	
1.87	0.099	0.75	24 940	80	0.895	0.68	2 733.6	1955	1990	AMERADA HOME SHELL PANALTA A&S TCPL DRY GAS BREAKTHROUGH TCPL A&S PRODUCTION DECLINE A&S TCPL DEKALB A&S TOP/BASE TVD CNWE ALT/ROA PROGAS ATCOR TCPL A&S HUSKY SHELL CHEL A&S TOP/BASE TVD
3.23	0.105	0.85	24 940	80	0.895	0.68	2 675.1	1955	1991	
1.24	0.100	0.85	24 940	80	0.895	0.68	2 770.2	1955	1989	
1.80	0.100	0.85	24 230	79	0.865	0.73	2 640.6	1955	1991	
5.10	0.104	0.80	23 740	93	0.859	0.81	2 823.5	1959	1990	A&S TCPL PROGAS PANALTA SOLN MU - L MANN M, JURASSIC O.P.V&W TCPL PROGAS PANALTA
6.15	0.117	0.80	24 750	89	0.905	0.70	2 873.0	1981	1988	
12.15	0.140	0.90	25 950	87	0.880	0.79	2 734.4	1990	1991	
25.20	0.080	0.90	36 290	110	0.965	0.75	3 961.2	1990	1990	
18.54	0.101	0.90	36 650	102	0.899	1.17	3 722.2	1986	1989	POCO TCPL A&S GAS CYCLING SCHEME
22.70	0.060	0.90	36 830	109	0.856	1.17	3 895.4	1989	1991	
5.02	0.114	0.70	17 660	81	0.818	0.75	2 135.0	1976	1986	
2.86	0.106	0.75	17 900	65	0.728	0.85	2 180.6	1976	1982	
2.40	0.139	0.65	17 520	64	0.780	0.75	2 150.4	1979	1986	SOLN MU-BEAVERHILL LAKE A&B, CONC PROD SOLN MU-BEAVERHILL LAKE A&B, CONC PROD A&S CONCURRENT PRODUCTION
9.97	0.130	0.75	23 100	62	0.805	0.79	2 060.1	1979	1986	
3.88	0.107	0.65	23 100	63	0.814	0.74	2 093.9	1979	1989	
						0.74		1979	1989	
1.90	0.110	0.60	17 200	78	0.832	0.71	2 140.8	1976	1986	TCPL PRODUCTION DECLINE GAS CYCLING SCHEME HOME DIRECT
1.79	0.106	0.65	17 100	80	0.837	0.71	2 154.8	1980	1986	
								1976	1989	
7.54	0.077	0.80	26 130	93	0.850	0.92	2 619.1	1957	1988	PANALTA
3.13	0.086	0.75	25 750	85	0.878	0.75	2 641.4	1958	1992	
3.00	0.100	0.75	25 920	88	0.884	0.74	2 656.2	1958	1992	
								1958	1992	
18.65	0.085	0.75	22 820	80	0.853	0.78	2 466.4	1958	1989	
18.18	0.120	0.85	17 240	75	0.819	0.76	2 401.8	1986	1989	
9.44	0.165	0.65	3 150	20	0.939	0.58	582.7	1976	1991	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CECIL 084-08W6 TOTAL-CECIL	1 813			1 085	118	967		36 815	
CECILIA 057-22W5									
NISKU A	2 307	0.80	0.35	1 200	113	1 087	37	40 512	891
OTHER	1 404			789		789		30 758	
TOTAL-CECILIA	3 711			1 989	113	1 876		71 270	
CENTRON 023-26W4 TOTAL-CENTRON	119			78		78		2 948	
CEREAL 027-07W4 TOTAL-CEREAL	235			153	3	150		5 486	
CESSFORD 025-13W4 MILK RIVER A	4 180	0.70	0.05	2 780			36		83 859
MEDICINE HAT A	10 677	0.70	0.03	7 250			36		128 237
MEDICINE HAT C	456	0.50	0.03	221			36		15 830
MEDICINE HAT D	1 124	0.50	0.03	545			36		35 606
SECOND WHITE SPECKS A	576	0.75	0.05	410			36		8 868
SE ALTA GAS SYS(MU) TOTAL	17 013	0.70	0.05	11 206	2 351	8 855	36	322 942	
VIKING D		0.75	0.03				37		200
VIKING H		0.75	0.03				38		1 587
VIKING D & H TOTAL	667	0.75	0.05	485	411	74	37	2 772	
BASAL COLORADO A ASSOC		0.91	0.04				38		27 451
BASAL COLORADO A SOLN	544	0.44	0.20	191b			38		
BASAL COLORADO A ASSOC		0.91	0.04				38		524
BASAL COLORADO A ASSOC		0.91	0.04				38		189
BASAL COLORADO A TOTAL	20 233	0.90	0.05	17 391b	17 104b	287	38	11 012	
BASAL COLORADO D	946	0.80	0.10	681	681	< 1	38	-	3 549
BASAL COLORADO E		0.85	0.10				38		3 955
MANNVILLE N		0.85	0.04				38		440
MANNVILLE O		0.75	0.05				38		200
BSL COLO E & MANN N&O TOTAL	1 978	0.85	0.10	1 530	1 500	30	38	1 142	
MANNVILLE I ASSOC	433	0.75	0.04	312	104	208	38	7 968	377
MANNVILLE C ASSOC	1 012	0.85	0.05	817b			38		830
MANNVILLE C SOLN	1 408	0.65	0.20	732b			38		
MANNVILLE C ASSOC	714	0.75	0.10	482b			38		1 287
MANNVILLE C ASSOC	412	0.85	0.05	333b			38		1 513
MANNVILLE C ASSOC	19	0.75	0.05	13b			38		77
MANNVILLE C ASSOC	9	0.75	0.05	7b			38		30
MANNVILLE C ASSOC	2	0.75	0.05	2b			38		32
MANNVILLE C ASSOC	1	0.75	0.05	1b			38		17
MANNVILLE C ASSOC	11	0.75	0.05	8b			38		73
MANNVILLE C ASSOC	8	0.75	0.05	5b			38		30
MANNVILLE C ASSOC	42	0.75	0.05	30b			38		150
MANNVILLE C ASSOC	11	0.75	0.05	8b			38		75
MANNVILLE C ASSOC	7	0.75	0.05	5b			38		75
MANNVILLE C ASSOC	7	0.75	0.05	5b			38		32
MANNVILLE C TOTAL	3 661	0.75	0.10	2 448b	1 879b	569	40	23 016	
MANNVILLE G	1 310	0.69	0.04	868	863	5	38	189	1 709
MANNVILLE H	1 732	0.75	0.04	1 247	1 247	< 1	37	-	2 836
MANNVILLE J	662	0.71	0.04	451	451	< 1	38	-	267
MANNVILLE V	1 900	0.85	0.04	1 550	1 392	158	38	5 961	1 547
MANNVILLE Y ASSOC		0.85	0.10				39		269
MANNVILLE Y SOLN	442	0.65	0.30	201b			39		
MANNVILLE Y ASSOC		0.85	0.10				39		221
MANNVILLE Y ASSOC		0.85	0.10				39		134
MANNVILLE Y ASSOC		0.85	0.10				39		31
MANNVILLE Z ASSOC		0.85	0.10				39		96
MANNVILLE Y & Z TOTAL	1 214	0.80	0.15	791b	550b	241	39	9 332	
MANNVILLE L		0.75	0.05				39		498
MANNVILLE CC		0.75	0.05				38		2 484
MANNVILLE L & CC TOTAL	609	0.75	0.05	434	393	41	38	1 566	
MANNVILLE C3C	411	0.80	0.05	313	28	285	38	10 824	150

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
15.31	0.072	0.85	34 460	103	0.943	0.74	3 475.2	1987	1991	GULF CHEL A&S TOP/BASE TVD
3.45	0.154	0.55	3 140	16	0.937	0.56	374.3	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.93	0.170	0.55	4 310	17	0.916	0.56	495.2	1904	1987	PART OF MED HAT POOL NO.1
0.73	0.139	0.60	4 450	19	0.916	0.56	485.1	1973	1988	PART OF MED HAT POOL NO.3
0.80	0.139	0.60	4 450	19	0.916	0.56	512.4	1973	1988	PART OF MED HAT POOL NO.4
0.84	0.216	0.60	5 690	27	0.904	0.56	639.4	1944	1982	PART OF 2WS POOL NO.1
								1904	1990	POCO OPINAC NORCEN KANNGAZ CANST AMERADA LOMALTA ATCOR BVI A&S PROGAS PANALTA NCMI TCPL CNG RENENER ESSO
1.80	0.155	0.45	7 550	29	0.870	0.59	781.1	1967	1992	PRODUCTION DECLINE
3.04	0.200	0.50	7 630	27	0.853	0.60	801.0	1965	1992	PRODUCTION DECLINE
4.14	0.251	0.60	8 810	27	0.822	0.62	875.6	1965	1992	CRESTAR TCPL POCO A&S
1.93	0.236	0.60	8 810	27	0.822	0.62	917.7	1950	1991	MATERIAL BALANCE CONCURRENT PRODUCTION
1.86	0.238	0.55	8 810	27	0.822	0.62	917.8	1950	1989	MATERIAL BALANCE
								1950	1989	MATERIAL BALANCE
								1950	1991	CRESTAR POCO ATCOR OPINAC TCPL ESSO CONCURRENT PRODUCTION
2.45	0.233	0.50	7 600	28	0.836	0.65	915.9	1951	1992	
2.69	0.214	0.40	8 680	27	0.820	0.63	900.8	1950	1988	MATERIAL BALANCE
3.08	0.212	0.50	9 760	33	0.813	0.66	1 012.9	1951	1988	MATERIAL BALANCE
6.17	0.233	0.60	8 720	33	0.828	0.66	973.1	1953	1988	MATERIAL BALANCE
2.49	0.218	0.70	9 740	33	0.838	0.59	1 019.9	1950	1988	TCPL ESSO
								1951	1986	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
6.57	0.242	0.70	9 760	31	0.833	0.60	1 006.9	1951	1992	CONCURRENT PRODUCTION
3.67	0.230	0.60	9 760	31	0.833	0.60	1 009.4	1951	1992	CONCURRENT PRODUCTION
1.76	0.235	0.60	9 760	31	0.833	0.60	1 015.4	1951	1992	
1.62	0.226	0.60	9 760	31	0.833	0.60	1 022.0	1951	1992	
1.80	0.220	0.70	9 760	31	0.833	0.60	1 022.4	1951	1992	
0.50	0.180	0.50	9 760	31	0.833	0.60	1 023.4	1951	1992	ASSIGNED WELL 01-27-025-12W4M
0.75	0.200	0.50	9 760	31	0.833	0.60	1 025.6	1951	1992	
1.03	0.207	0.65	9 760	31	0.833	0.60	1 028.6	1951	1992	
0.97	0.230	0.80	9 760	31	0.833	0.60	1 038.1	1951	1992	
2.30	0.220	0.50	9 760	31	0.833	0.60	999.4	1951	1992	ASSIGNED WELL 15-17-025-12W4M
0.91	0.230	0.65	9 760	31	0.833	0.60	1 012.1	1951	1992	ASSIGNED WELL 16-14-025-12W4M
0.60	0.220	0.65	9 760	31	0.833	0.60	1 026.9	1951	1992	ASSIGNED WELL 06-34-025-12W4M
2.50	0.160	0.50	9 760	31	0.833	0.60	1 019.8	1951	1991	ASSIGNED WELL 16-03-025-12W4M
						0.72		1951	1992	CRESTAR LOMALTA CWNGNUL TCPL ESSO CONCURRENT PRODUCTION
4.02	0.210	0.50	9 760	33	0.813	0.66	1 037.0	1950	1992	CRESTAR TCPL PRODUCTION DECLINE
4.30	0.264	0.55	9 930	27	0.828	0.60	934.1	1958	1992	TCPL PRODUCTION DECLINE
4.88	0.233	0.55	10 580	36	0.811	0.66	1 036.0	1958	1992	TCPL
3.21	0.221	0.60	9 650	38	0.827	0.66	1 126.4	1959	1988	CANST OPINAC TCPL MATERIAL BALANCE
2.11	0.212	0.65	9 710	32	0.808	0.65	998.7	1951	1989	PRODUCTION DECLINE SOLN MU - MANNVILLE Y&Z CONC PROD
						0.65		1951	1989	PRODUCTION DECLINE SOLN MU - MANNVILLE Y&Z CONC PROD
2.28	0.206	0.60	8 290	32	0.830	0.65	1 000.9	1951	1989	PRODUCTION DECLINE
6.69	0.182	0.65	9 710	32	0.808	0.65	990.4	1951	1989	PRODUCTION DECLINE
0.83	0.180	0.50	9 710	32	0.808	0.65	1 011.5	1951	1989	PRODUCTION DECLINE
0.69	0.233	0.65	9 680	29	0.801	0.64	991.3	1951	1989	PRODUCTION DECLINE
								1951	1991	CRESTAR TCPL ESSO CONCURRENT PRODUCTION
3.03	0.235	0.50	9 650	35	0.792	0.70	1 107.7	1962	1985	MATERIAL BALANCE
2.04	0.177	0.55	9 450	35	0.850	0.59	1 087.1	1962	1980	MATERIAL BALANCE
								1962	1980	CRESTAR A&S TCPL
16.50	0.220	0.70	9 640	33	0.830	0.62	970.0	1986	1987	LOMALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CESSFORD 025-13W4 (CONTINUED)									
MANNVILLE 030	520	0.85	0.05	420	58	362	37	13 271	150
MANNVILLE HH ASSOC	851	0.80	0.10	613 ^b			38		1 903
MANNVILLE HH SOLN	13	0.65	0.35	5 ^b			38		
MANNVILLE 030	469	0.85	0.10	359 ^b			39		2 305
MANN HH & 030 TOTAL	1 333	0.80	0.10	977 ^b	369 ^b	608	38	23 244	1 615
BANFF B ASSOC	462	0.85	0.10	354 ^b			39		
BANFF B SOLN	313	0.65	0.12	179 ^b			39		
BANFF B ASSOC	2	0.75	0.10	2 ^b			39		26
BANFF B ASSOC	6	0.75	0.10	5 ^b			39		72
BANFF B TOTAL	783	0.75	0.10	540 ^b	217 ^b	323	39	12 662	
OTHER	14 042			9 316	3 388	5 928		223 830	
TOTAL-CESSFORD	69 447			50 960	32 986	17 974		669 731	
CHAIN 033-17W4									
TOTAL-CHAIN	2 204			1 423	399	1 024		38 815	
CHAMBERLAIN 052-23W4									
TOTAL-CHAMBERLAIN	10			6		6		229	
CHAMBERS 041-10W5									
ELTN 05-041-11	457	0.85	0.15	330		330	39	12 857	200
OTHER	1 163			817		817		32 172	
TOTAL-CHAMBERS	1 620			1 147		1 147		45 029	
CHANDLER 059-02W4									
TOTAL-CHANDLER	386			218	90	128		4 650	
CHARD 079-06W4									
WABISKAW B	58	0.50	0.05	28			37		3 558
WABISKAW D	26	0.50	0.05	12			38		1 608
WABISKAW E	6	0.50	0.10	3			41		485
WABISKAW F	1	0.50	0.05	1			37		200
WABISKAW G	6	0.50	0.05	3			37		200
WABISKAW H	2	0.50	0.05	1			37		75
MCMURRAY B	4 632	0.75	0.05	3 300			37		24 954
MCMURRAY E	148	0.50	0.05	70			37		2 790
MCMURRAY F	6	0.50	0.05	3			37		237
MCMURRAY G	9	0.50	0.05	5			37		279
MCMURRAY H	7	0.60	0.05	4			37		200
MCMURRAY I	17	0.50	0.05	9			38		469
MCMURRAY J	18	0.50	0.05	9			38		518
MCMURRAY L	9	0.70	0.05	6			37		200
MCMURRAY M	53	0.70	0.05	35			37		200
MCMURRAY P	29	0.50	0.05	14			36		200
MCMURRAY R	10	0.55	0.05	6			37		200
MCMURRAY T	21	0.50	0.05	10			37		200
MCMURRAY U	1	0.50	0.05	1			37		75
MCMURRAY V	26	0.50	0.05	12			37		200
MCMURRAY W	12	0.55	0.05	7			37		200
WBSK & MCMURRAY MU#1 TOTAL	5 097	0.75	0.05	3 539	2 800	739	37	27 624	
OTHER	692			350	42	308		11 488	
TOTAL-CHARD	5 789			3 889	2 842	1 047		39 112	
CHARLIE 089-05W6									
GETHING C	464	0.80	0.05	352			37		2 341
GETHING E	81	0.70	0.05	54			37		300
GETHING C & E TOTAL	545	0.80	0.05	406	69	337	37	12 368	
OTHER	236			151	48	103		3 925	
TOTAL-CHARLIE	781			557	117	440		16 293	
CHARLOTTE LAKE 060-04W4									
COLONY G	885	0.65	0.05	546	497	49	38	1 869	2 816
COLONY A		0.65	0.05				38		4 396
GRAND RAPIDS A		0.55	0.05				37		463
GRAND RAPIDS J	57	0.65	0.05	35			37		626
CLNY A & GRD RP A & J TOTAL	1 118	0.65	0.05	690	555	135	38	5 149	
OTHER	1 030			614	327	287		10 704	
TOTAL-CHARLOTTE LAKE	3 033			1 850	1 379	471		17 722	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
17.00	0.270	0.75	9 190	30	0.857	0.58	925.7	1990	1990	OPINAC
4.70	0.157	0.55	9 830	38	0.816	0.68	1 231.5	1972	1992	SOLN MU - GLAUC T & MANN HH
						0.68		1972	1992	SOLN MU - GLAUC T & MANN HH
1.89	0.169	0.60	9 670	40	0.827	0.65	1 198.7	1972	1992	
2.53	0.151	0.60	10 900	38	0.799	0.66	1 192.8	1972	1985	GAS PRODUCED BEFORE OIL DISCOVERED
						0.66		1972	1985	CONCURRENT PRODUCTION
0.73	0.140	0.50	10 900	38	0.799	0.65	1 269.7	1972	1984	CONCURRENT PRODUCTION
0.94	0.151	0.50	10 900	37	0.800	0.66	1 287.3	1972	1989	
								1972	1989	CRESTAR NORCEN HOME TCPL CONCURRENT PRODUCTION
14.87	0.080	0.85	29 790	110	0.978	0.66	3 398.9	1973	1974	ENCOR AEC TCPL
0.72	0.248	0.50	1 790	15	0.963	0.55	208.0	1979	1988	
0.69	0.266	0.50	1 740	15	0.965	0.55	254.3	1978	1992	
0.59	0.271	0.50	1 550	10	0.950	0.69	266.3	1986	1992	
1.00	0.250	0.40	700	12	0.986	0.56	230.9	1986	1989	
1.00	0.280	0.60	1 840	16	0.963	0.56	356.2	1991	1991	
1.00	0.230	0.80	1 610	15	0.967	0.56	331.5	1991	1991	
5.01	0.280	0.75	1 730	16	0.965	0.56	249.7	1957	1991	
1.66	0.280	0.65	1 730	18	0.965	0.55	218.3	1979	1989	
1.09	0.263	0.55	1 420	9	0.968	0.55	211.7	1984	1989	
1.19	0.271	0.60	1 570	10	0.965	0.55	215.7	1985	1988	
1.60	0.300	0.45	1 640	16	0.966	0.55	209.2	1985	1988	
1.05	0.287	0.65	1 750	8	0.961	0.55	310.4	1985	1988	
1.16	0.290	0.60	1 680	16	0.966	0.55	261.0	1986	1988	
1.70	0.280	0.55	1 660	8	0.963	0.56	213.5	1988	1990	
7.60	0.270	0.75	1 660	11	0.965	0.56	221.3	1988	1990	
4.80	0.260	0.70	1 600	15	0.968	0.57	252.7	1985	1988	
1.30	0.300	0.70	1 870	16	0.962	0.56	359.4	1991	1991	
2.30	0.330	0.80	1 660	15	0.966	0.56	336.9	1991	1991	
0.50	0.240	0.80	1 700	15	0.965	0.56	341.4	1991	1991	
2.70	0.300	0.90	1 740	15	0.965	0.56	345.7	1991	1991	
1.80	0.270	0.60	1 930	16	0.961	0.56	366.4	1991	1991	
								1957	1992	NOVER RIDALTO NRTHSTR TRITON TCPL PANALTA HOME SASKOIL ESSO CANOXY ATCOR CANST
2.03	0.205	0.65	7 170	39	0.891	0.60	1 070.9	1979	1988	
3.10	0.203	0.60	7 180	46	0.900	0.58	1 049.9	1986	1986	
								1979	1989	PROGAS CWNGNUL
1.94	0.293	0.75	2 430	12	0.945	0.57	328.8	1972	1990	NORCEN HOME ESSO UNIGAS RENENER TRITON
2.49	0.293	0.70	2 230	13	0.950	0.57	345.9	1964	1989	MATERIAL BALANCE
0.67	0.309	0.55	2 470	14	0.948	0.56	365.6	1983	1989	MATERIAL BALANCE
1.40	0.320	0.75	2 580	14	0.947	0.56	366.4	1978	1991	MATERIAL BALANCE
								1964	1992	SHELL BVI PANALTA CNG DIRECT TRITON

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CHARM 103-09W6 TOTAL-CHARM	57			38		38		1 384	
CHARRON 069-16W4 GROSMONT A OTHER TOTAL-CHARRON	1 238 1 902 3 140	0.60	0.05	706 1 124 1 830	486 513 999	220 611 831	37	8 120 22 698 30 818	5 142
CHAUVIN 043-01W4 TOTAL-CHAUVIN	580			379	5	374		12 761	
CHAUVIN SOUTH 042-02W4 TOTAL-CHAUVIN SOUTH	2 450			1 524	485	1 039		35 680	
CHEDDERSVILLE 037-07W5 LEDUC A LEDUC B OTHER TOTAL-CHEDDERSVILLE	2 440 1 094 46 3 580	0.75 0.80	0.15 0.10	1 556 788 32 2 376	1 198 252 32 1 450	358 536 32 926	39 39	13 919 21 038 1 280 36 237	1 581 200
CHERHILL 056-05W5 BANFF A SOLN BANFF A ASSOC BANFF F SOLN BANFF F ASSOC BANFF H ASSOC BANFF H SOLN BANFF H ASSOC BANFF H ASSOC BANFF H ASSOC BANFF H ASSOC BANFF H TOTAL OTHER TOTAL-CHERHILL	627 365 635 208 226 544 2 135 85 992 3 009 5 836	0.31 0.85 0.65 0.70 0.70 0.65 0.70 0.70 0.70 0.70 0.65	0.75 0.10 0.20 0.10 0.10 0.15 0.10 0.10 0.10 0.15	49b 279b 330b 131b 142b 301b 1b 86b 54b 584b 1 917 3 290	139b 177b 202b 473 991	189 40 40 284 39 39 39 40 39	40 40 40 39 39 39 40 39	7 517 11 371 15 047 55 713 89 648	448 364 286 5 253 176
CHERPETA 074-19W4 NIS 074-20 OTHER TOTAL-CHERPETA	1 954 1 217 3 171	0.70	0.05	1 300 679 1 979		1 300 679 1 979	37	47 723 25 188 72 911	3 883
CHERRY (SA) 008-12W4 TOTAL-CHERRY	43			31		31		1 062	
CHICKADEE 062-16W5 GETHING D ASSOC GETHING A GETHING G SW HL 062-16 OTHER TOTAL-CHICKADEE	1 040 1 280 436 557 531 3 844	0.80 0.75 0.80 0.85	0.10 0.10 0.10 0.20	749 864 314 378 327 2 632	155 239 24 378 94 512	594 625 290 378 233 2 120	39 39 40 40 40	23 326 24 100 11 568 15 162 9 176 83 332	1 971 2 442 850 564
CHICKEN 062-07W6 TOTAL-CHICKEN	396			260	63	197		7 806	
CHIGWELL 041-24W4 MANNVILLE A MANNVILLE J OTHER TOTAL-CHIGWELL	790 1 733 4 582 7 105	0.80 0.75	0.10 0.10	569 1 170 2 795 4 534	569 323 715 1 607	< 1 847 2 080 2 927	39 39	- 33 101 81 383 114 484	711 1 241
CHIGWELL NORTH 042-24W4 TOTAL-CHIGWELL NORTH	188			118	1	117		4 604	
CHIME 061-05W6 TOTAL-CHIME	940			672		672		26 778	
CHIN COULEE 007-14W4 TOTAL-CHIN COULEE	103			43	10	33		1 049	
CHINCHAGA 097-06W6 SLAVE POINT A OTHER TOTAL-CHINCHAGA	1 389 408 1 797	0.80	0.10	1 000 276 1 276	518 518	482 276 758	38	18 441 10 538 28 979	1 649

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
7.57	0.135	0.50	2 620	23	0.951	0.57	464.0	1974	1991	PRODUCTION DECLINE
11.14 47.00	0.065 0.060	0.90 0.90	30 430 27 990	134 110	0.986 0.964	0.71 0.64	3 551.7 3 631.7	1967 1987	1992 1989	HOME AMOCO PANALTA BP PRODUCTION DECLINE MOBIL GULF
5.06	0.181	0.70	10 910	41	0.777	0.71 0.71 0.69	1 299.8	1966 1966 1981	1992 1992 1987	TCPL PANALTA CWNIGNUL CONCURRENT PRODUCTION TCPL PANALTA CWNIGNUL CONCURRENT PRODUCTION HOME NORCEN CONCURRENT PRODUCTION
4.18 5.26	0.167 0.184	0.65 0.70	11 250 10 810	46 48	0.795 0.821	0.69 0.66	1 450.7 1 357.9	1981 1973	1987 1990	HOME NORCEN CONCURRENT PRODUCTION CONCURRENT PRODUCTION
2.40 3.03 2.80	0.270 0.215 0.198	0.55 0.70 0.75	10 810 10 810 10 810	48 48 48	0.821 0.821 0.821	0.66 0.66 0.65	1 372.2 1 343.7 1 329.5	1973 1973 1973	1988 1988 1990	CONCURRENT PRODUCTION SUMMIT ATCOR PROGAS TCPL CONCURRENT PRODUCTION
21.71	0.140	0.70	2 370	25	0.956	0.58	620.4	1975	1991	PINCL METGAZ BER
4.44 4.97 4.56 6.53	0.150 0.142 0.134 0.088	0.60 0.55 0.55 0.80	14 000 14 110 14 420 27 870	76 73 58 117	0.864 0.859 0.811 0.946	0.64 0.66 0.67 0.73	1 856.7 1 863.8 1 900.4 2 978.4	1980 1978 1977 1976	1989 1987 1987 1990	PROGAS CONCURRENT PRODUCTION PROGAS PROGAS PANALTA PROGAS
6.49 8.72	0.173 0.159	0.65 0.80	11 530 11 930	64 56	0.834 0.819	0.70 0.69	1 572.4 1 573.7	1952 1977	1985 1988	CANST PANALTA ESSO
7.02	0.082	0.65	20 600	93	0.842	0.83	2 147.5	1973	1984	PANALTA MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CHINCHAGA NORTH 098-07W6									
DEBOLT-DETRITAL A	3 158	0.80	0.05	2 400	1 139	1 261	37	46 607	2 622
OTHER	422			259	80	179		6 791	
TOTAL-CHINCHAGA NORTH	3 580			2 659	1 219	1 440		53 398	
CHINOOK 029-08W4									
BELLY RIVER A	367	0.90	0.05	314	305	9	37	333	4 403
OTHER	715			449	109	340		12 633	
TOTAL-CHINOOK	1 082			763	414	349		12 966	
CHINOOK RIDGE (SA) 065-13W6									
COOT 12-065-13	841	0.90	0.10	681		681	39	26 838	440
NOTI 12-065-13	645	0.90	0.10	523		523	39	20 449	250
BELL 11-065-13	749	0.80	0.25	449		449	37	16 541	200
OTHER	319			230		230		9 064	
TOTAL-CHINOOK RIDGE	2 554			1 883		1 883		72 892	
CHIP LAKE 053-10W5									
ROCK CREEK C ASSOC	502	0.90	0.10	407	386	21	40	843	428
OTHER	161			97	1	96		4 035	
TOTAL-CHIP LAKE	663			504	387	117		4 878	
CHIPMUNK (SA) 082-12W5									
TOTAL-CHIPMUNK	33			24		24		879	
CHISHOLM 068-01W5									
TOTAL-CHISHOLM	946			611	331	280		10 349	
CINDY 077-01W6									
TOTAL-CINDY	185			120	59	61		2 344	
CLAIR 073-05W6									
TOTAL-CLAIR	303			217		217		8 372	
CLARESHOLM 013-26W4									
TOTAL-CLARESHOLM	1 622			1 069	304	765		29 406	
CLATTO (SA) 077-19W4									
TOTAL-CLATTO	18			10		10		371	
CLAY 060-13W4									
COLONY U	587	0.75	0.05	418	411	7	37	259	1 703
OTHER	1 672			916	394	522		19 296	
TOTAL-CLAY	2 259			1 334	805	529		19 555	
CLAYHURST 083-05W6									
TOTAL-CLAYHURST	14			8		8		308	
CLEAR HILLS 088-10W6									
TOTAL-CLEAR HILLS	299			189		189		7 218	
CLEAR PRAIRIE 091-12W6									
TOTAL-CLEAR PRAIRIE	331			214		214		8 179	
CLEARWATER 035-12W5									
RUNDLE A	11 361	0.80	0.10	8 180	856	7 324	38	281 095	2 052
TOTAL-CLEARWATER	11 361			8 180	856	7 324		281 095	
CLIFFDALE (SA) 084-17W5									
TOTAL-CLIFFDALE	34			19		19		732	
CLIVE 040-24W4									
D-2 A POOL 1 ASSOC	152	0.85	0.15	110 ^b			35		316
D-2 A POOL 1 SOLN	1 057	0.53	0.40	336 ^b			35		
D-2 A POOL 2 ASSOC	87	0.85	0.25	56 ^b			44		319
D-2 A POOL 3 ASSOC	865	0.85	0.35	478 ^b			43		1 413
D-2 A TOTAL	2 161	0.70	0.35	980 ^b	552 ^b	428	39	16 752	
D-3 A ASSOC	155	0.85	0.30	92			42		385
D-3 A SOLN	1 908	0.65	0.35	806			42		
D-3 A POOL 2 ASSOC	378	0.85	0.30	225			42		516
D-3 A POOL 3 ASSOC	462	0.85	0.30	275			40		451
D-3 A POOL 4 ASSOC	121	0.85	0.30	72			42		290
D-3 A ASSOC	7	0.85	0.30	4			42		20

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
3.78	0.218	0.65	5 770	28	0.896	0.58	691.7	1978	1990	PANCDN PROGAS PANALTA A&S MATERIAL BALANCE
2.87	0.336	0.65	1 670	18	0.967	0.56	244.7	1972	1987	ESSO CWNGNUL MATERIAL BALANCE
7.09 9.87 19.80	0.200 0.200 0.120	0.70 0.70 0.65	22 750 23 440 37 510	98 112 150	0.906 0.927 1.040	0.67 0.67 0.69	2 807.1 2 881.6 4 303.0	1956 1956 1979	1981 1988 1983	NORCEN BER NORCEN BER BER
4.61	0.140	0.80	21 370	57	0.803	0.73	1 856.9	1950	1992	PRODUCTION DECLINE OIL POOL DEPLETED
4.71	0.285	0.70	3 610	28	0.936	0.57	520.0	1976	1990	KANNGAZ BP PANALTA PRODUCTION DECLINE
36.00	0.064	0.90	35 250	94	1.023	0.63	4 189.0	1980	1990	MOBIL SHELL
5.58	0.060	0.85	17 100	67	0.847	0.75 0.75	1 883.8	1951 1951	1991 1991	CONING GAS CAP CONING GAS CAP
2.63 6.11	0.059 0.060	0.85 0.80	17 090 17 070	67 67	0.693 0.684	0.90 0.89	1 831.7 1 850.3	1951 1951	1991 1992	
4.04	0.058	0.85	17 570	67	0.728	0.83 0.83	1 880.9	1951 1952	1991 1991	POCO NORCEN TCPL CONING GAS CAP
7.62 8.16 3.94 2.40	0.056 0.068 0.062 0.090	0.85 0.85 0.85 0.85	17 600 17 570 17 550 17 600	67 57 67 67	0.728 0.697 0.728 0.729	0.83 0.90 0.83 0.84	1 912.2 1 880.9 1 874.8 1 900.6	1952 1952 1952 1952	1986 1992 1991 1991	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CLIVE 040-24W4 (CONTINUED)									
D-3 A TOTAL	3 031	0.70	0.35	1 474	785	689	42	28 745	
OTHER	2 491			1 632	306	1 326		50 610	
TOTAL-CLIVE	7 683			4 086	1 643	2 443		96 107	
CLOUSTON (SA) 071-25W5									
TOTAL-CLOUSTON	68			46		46		1 766	
CLOVER 061-17W5									
TOTAL-CLOVER	215			149	42	107		4 141	
CLYDE LAKE 073-10W4									
TOTAL-CLYDE LAKE	55			34		34		1 268	
CLYDEN 075-13W4									
TOTAL-CLYDEN	340			210	11	199		7 375	
COALDALE 008-20W4									
TOTAL-COALDALE	594			351	261	90		3 144	
CODDIN (SA) 088-19W5									
TOTAL-CODDIN	7			5		5		183	
COLD LAKE 063-02W4									
COLONY A	389	0.90	0.05	333	276	57	37	2 098	710
COLONY D	465	0.90	0.05	398	391	7	37	260	945
OTHER	838			512	228	284		10 480	
TOTAL-COLD LAKE	1 692			1 243	895	348		12 838	
COLEMAN 009-04W5									
RUNDLE A	10 461	0.75	0.35	5 100			37		1 998
PALLISER B	3 428	0.75	0.30	1 800			37		657
RUNDLE A & PALLISER B TOTAL	13 889	0.75	0.35	6 900	2 647	4 253	37	157 531	
TOTAL-COLEMAN	13 889			6 900	2 647	4 253		157 531	
COLINTON 064-20W4									
TOTAL-COLINTON	792			498	129	369		13 861	
COLORADO 090-04W6									
TOTAL-COLORADO	294			167	62	105		3 883	
COLT 058-24W5									
TOTAL-COLT	484			325	3	322		12 586	
COLUMBIA 046-16W5									
VIKING A	1 544	0.80	0.15	1 050	32	1 018	40	41 209	1 580
NISKU B	891	0.70	0.40	374	313	61	37	2 248	128
OTHER	618			439	6	433		16 986	
TOTAL-COLUMBIA	3 053			1 863	351	1 512		60 443	
COMPEER 033-02W4									
UPPER MANNVILLE A	443	0.85	0.05	358	195	163	37	6 049	914
OTHER	734			515	286	229		8 531	
TOTAL-COMPEER	1 177			873	481	392		14 580	
COMREY 001-07W4									
BOW ISLAND	755	0.80	0.05	574	557	17	37	622	2 447
OTHER	536			361	157	204		7 448	
TOTAL-COMREY	1 291			935	714	221		8 070	
CONKLIN (SA) 075-07W4									
TOTAL-CONKLIN	55			31		31		1 148	
CONNEMARA 016-27W4									
TOTAL-CONNEMARA	424			312		312		11 666	
CONNORSVILLE 025-15W4									
MILK RIVER A	1 017	0.70	0.05	676			36		17 117
MEDICINE HAT A	2 827	0.70	0.03	1 920			36		25 598

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
								1952	1991	RIFE POOD TCPL
1.60 2.27	0.310 0.326	0.70 0.65	2 300 2 300	20 18	0.955 0.954	0.57 0.57	269.1 274.7	1952 1952	1990 1989	AMERADA TRITON PRODUCTION DECLINE TRITON MATERIAL BALANCE
28.86 32.66	0.068 0.041	0.85 0.80	30 950 33 700	67 102	0.844 0.958	0.76 0.70	3 044.3 3 586.8	1969 1969 1969	1989 1984 1989	MATERIAL BALANCE MATERIAL BALANCE AMERADA A&S
4.09 17.00	0.124 0.098	0.75 0.85	31 500 59 770	89 127	0.963 1.170	0.67 0.81	3 051.2 4 213.5	1979 1980	1991 1989	ENCOR HOME HUSKY CHEL TOP/BASE TVD. DEEP CUT SL TCPL AMOCO PANALTA HUSKY CNG PRODUCTION DECLINE
3.39	0.272	0.70	6 890	26	0.873	0.59	864.4	1956	1990	CRESTAR UNIGAS SASKEN
5.86	0.250	0.50	5 340	27	0.902	0.59	755.6	1952	1992	CMG PRODUCTION DECLINE
2.50 2.56	0.154 0.170	0.55 0.55	3 140 4 310	16 17	0.937 0.916	0.56 0.56	477.8 585.6	1910 1904	1987 1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE PART OF MED HAT POOL NO.1

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CONNORSVILLE 025-15W4 (CONTINUED) SE ALTA GAS SYS(MU) TOTAL	3 844	0.70	0.05	2 596	113	2 483	36	90 555	
VIKING A	527	0.60	0.05	300	144	156	38	5 875	2 506
GLAUCONITIC A	312	0.85	0.10	239			39		440
GLAUCONITIC B	31	0.75	0.05	22			38		128
GLAUCONITIC C	196	0.75	0.05	140			38		738
GLAUCONITIC E	152	0.75	0.10	103			39		150
GLAUCONITIC I	32	0.75	0.10	22			39		150
ELLERSLIE A	3 875	0.80	0.10	2 790			39		9 759
GLAUC ABCEI & ELLERS A TOTAL	4 598	0.80	0.10	3 316	1 721	1 595	39	62 444	
OTHER	953			664	176	488		18 494	
TOTAL-CONNORSVILLE	9 922			6 876	2 154	4 722		177 368	
CONRAD 005-15W4 TOTAL-CONRAD	13			9		9		310	
COOKING LAKE 052-22W4 TOTAL-COOKING LAKE	171			108	9	99		3 617	
CORAL 046-05W5 TOTAL-CORAL	235			156		156		5 814	
CORBETT 061-07W5 VIKING A	514	0.90	0.05	440	440	< 1	39	-	1 662
OTHER	307			203	14	189		7 236	
TOTAL-CORBETT	821			643	454	189		7 236	
CORDEL 042-16W5 TV 042-16	1 619	0.50	0.15	688		688	39	26 591	400
TV 042-16	2 870	0.50	0.15	1 220		1 220	39	47 153	800
TOTAL-CORDEL	4 489			1 908		1 908		73 744	
CORNER 080-09W4 TOTAL-CORNER	543			280		280		10 474	
CORNWALL 070-26W5 TOTAL-CORNWALL	71			54		54		2 047	
CORRIN 061-13W4 TOTAL-CORRIN	1 551			952	458	494		18 046	
COUNTESS 020-16W4 MILK RIVER A	11 338	0.70	0.05	7 540			36		92 445
MEDICINE HAT A	12 519	0.70	0.03	8 500			36		113 802
MEDICINE HAT C	310	0.50	0.03	150			36		8 729
MEDICINE HAT D	124	0.50	0.03	60			36		4 304
SECOND WHITE SPECKS A	705	0.80	0.05	536			36		5 363
SE ALTA GAS SYS (MU) TOTAL	24 996	0.70	0.05	16 786	2 024	14 762	36	538 370	
SECOND WHITE SPECKS B	538	0.80	0.05	409		409	37	14 945	3 932
BOW ISLAND A	1 021	0.65	0.05	631			37		7 472
BOW ISLAND A	93	0.75	0.05	67			36		400
BOW ISLAND A TOTAL	1 114	0.65	0.05	698	548	150	37	5 565	
BASAL COLORADO A	5 170	0.91	0.05	4 470	4 391	79	37	2 918	26 128
UPPER MANNVILLE D ASSOC	417	0.75	0.10	282 ^b			37		437
UPPER MANNVILLE D SOLN	790	0.49	0.25	290 ^b			37		
UPPER MANNVILLE D ASSOC		0.75	0.10				37		15
UPPER MANNVILLE D ASSOC		0.75	0.10				37		261
UPPER MANNVILLE D ASSOC		0.75	0.10				37		12
UPPER MANNVILLE D ASSOC		0.75	0.10				37		7
UPPER MANNVILLE D ASSOC		0.75	0.10				37		8
UPPER MANNVILLE D TOTAL	1 207	0.60	0.20	572 ^b	543 ^b	29	37	1 081	
UPPER MANNVILLE S	460	0.80	0.05	350	321	29	39	1 125	665
GLAUCONITIC III	2 541	0.80	0.10	1 830			39		6 976
UPPER MANNVILLE LL	70	0.75	0.10	48			39		150
GLAUC III&U MANN LL TOTAL	2 611	0.80	0.10	1 878	826	1 052	39	40 765	
OTHER	8 230			4 987	2 013	2 974		112 198	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
								1904	1983	CRESTAR OPINAC PANCDN NORCEN CANST AMERADA ESSO A&S PROGAS PANALTA CWNGNUL TCPL VECTOR
2.23	0.203	0.60	7 570	36	0.872	0.60	926.3	1956	1980	CRESTAR PANALTA TCPL VECTOR MATERIAL BALANCE
6.17	0.175	0.60	9 260	29	0.796	0.66	1 064.8	1963	1982	PART OF ELRSL POOL NO.1
2.70	0.200	0.45	9 310	40	0.850	0.61	1 102.5	1964	1984	PART OF ELRSL POOL NO.1
1.85	0.225	0.60	9 340	29	0.825	0.61	1 079.1	1975	1976	PART OF ELRSL POOL NO.1
9.10	0.190	0.55	9 690	42	0.821	0.66	1 069.9	1976	1988	PART OF ELRSL POOL NO.1
2.90	0.100	0.70	9 220	35	0.816	0.65	1 131.8	1987	1988	PART OF ELRSL POOL NO.1
3.68	0.174	0.55	9 720	35	0.796	0.67	1 118.8	1963	1991	PART OF ELRSL POOL NO.1
								1963	1988	CRESTAR PANCDN BVI A&S PROGAS PANALTA TCPL VECTOR PART OF ELRSL POOL NO.1
2.06	0.200	0.55	8 270	44	0.856	0.64	1 024.2	1971	1990	
15.15	0.084	0.80	29 840	106	0.982	0.64	3 823.4	1979	1991	GULF A&S TOP/BASE TVD
20.75	0.059	0.80	31 430	100	0.989	0.64	3 596.5	1979	1991	GULF A&S TOP/BASE TVD
8.07	0.154	0.55	3 140	16	0.938	0.56	427.1	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.55	0.170	0.55	4 310	17	0.916	0.56	541.1	1904	1992	PART OF MED HAT POOL NO.1
0.90	0.139	0.60	4 450	19	0.916	0.56	532.7	1973	1992	PART OF MED HAT POOL NO.3
0.73	0.139	0.60	4 450	19	0.916	0.56	563.3	1973	1988	PART OF MED HAT POOL NO.4
1.70	0.216	0.60	5 690	27	0.904	0.56	719.2	1944	1987	PART OF 2WS POOL NO.1
								1904	1988	CRESTAR NORCEN CANST PANCDN HOME BVI PROGAS PANALTA TCPL POCO
1.24	0.210	0.60	7 870	23	0.864	0.57	731.6	1990	1991	TCPL PANALTA
1.59	0.183	0.60	7 310	31	0.874	0.59	888.5	1951	1992	
1.85	0.240	0.65	7 560	32	0.879	0.59	925.4	1951	1991	
								1951	1992	TCPL
1.12	0.150	0.60	8 470	37	0.869	0.60	1 056.1	1951	1980	TCPL PANCDN MATERIAL BALANCE
2.45	0.238	0.75	11 000	35	0.821	0.64	1 051.8	1967	1990	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.64		1967	1990	PRODUCTION DECLINE CONCURRENT PRODUCTION
0.90	0.210	0.60	11 000	35	0.821	0.64	1 047.8	1967	1991	PRODUCTION DECLINE
1.59	0.247	0.80	11 000	35	0.821	0.64	1 047.9	1967	1991	PRODUCTION DECLINE
1.31	0.240	0.80	11 000	35	0.821	0.64	1 047.9	1967	1991	PRODUCTION DECLINE
0.71	0.160	0.75	11 000	35	0.821	0.64	1 072.2	1967	1991	PRODUCTION DECLINE
0.61	0.280	0.85	11 000	35	0.821	0.64	1 051.3	1967	1991	PRODUCTION DECLINE
								1967	1990	PANCDN NORCEN TCPL CONCURRENT PRODUCTION
3.69	0.240	0.75	10 420	49	0.841	0.64	1 279.2	1972	1986	TCPL MATERIAL BALANCE
3.04	0.179	0.60	10 000	39	0.817	0.66	1 218.9	1954	1991	PART OF GLAUC POOL NO.6
6.90	0.150	0.40	10 000	38	0.817	0.65	1 218.3	1984	1986	PART OF GLAUC POOL NO.6
								1954	1991	PANCDN TCPL PART OF GLAUC POOL NO.6

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
COUNTRESS 020-16W4 (CONTINUED) TOTAL-COUNTRESS	44 326			30 150	10 666	19 484		716 967	
COUTTS 001-16W4 TOTAL-COUTTS	251			109	1	108		4 042	
COWLICK (SA) 058-06W6 TOTAL-COWLICK	104			74		74		2 609	
COYOTE 028-15W4 TOTAL-COYOTE	1 048			682	326	356		13 640	
CRAIGEND 064-13W4 VIKING A	5 290	0.40	0.05	2 010	20	1 990	37	73 411	71 743
GRAND RAPIDS E	523	0.65	0.05	323	137	186	37	6 849	4 897
GRAND RAPIDS H	483	0.75	0.05	344	134	210	37	7 818	252
GRAND RAPIDS P	884	0.75	0.05	630	378	252	37	9 243	1 152
MCMURRAY C	1 578	0.60	0.05	900	683	217	37	7 960	13 887
GROSMONT A	5 613	0.45	0.05	2 400	2 325	75	37	2 783	32 814
OTHER	9 409			5 865	2 909	2 956		108 661	
TOTAL-CRAIGEND	23 780			12 472	6 586	5 886		216 725	
CRAIGMYLE 032-17W4 BELLY RIVER A		0.80	0.05				37		9 161
BELLY RIVER P		0.80	0.05				37		250
BELLY RIVER A & P TOTAL	2 014	0.80	0.05	1 530	872	658			
ELLERSLIE H	489	0.90	0.10	396	352	44	39	1 735	921
OTHER	2 368			1 494	431	1 063		40 244	
TOTAL-CRAIGMYLE	4 871			3 420	1 655	1 765		41 979	
CRANBERRY 096-04W6 BLSK-DETR-DBLT NO.1	2 587	0.70	0.05	1 720	935	785	36	28 613	5 531
SLAVE POINT A	15 148	0.80	0.15	10 300	4 145	6 155	40	247 185	27 219
SLAVE POINT B	1 519	0.79	0.15	1 020	874	146	41	6 041	1 692
GILWOOD B	612	0.80	0.10	440	15	425	38	16 295	797
OTHER	793			516		516		19 505	
TOTAL-CRANBERRY	20 659			13 996	5 969	8 027		317 639	
CRANFORD 008-19W4 TOTAL-CRANFORD	104			70	70				
CRESSDAY (SA) 003-01W4 TOTAL-CRESSDAY	62			45		45		1 665	
CROOKED 069-23W4 TOTAL-CROOKED	689			439	70	369		13 683	
CROSSFIELD 029-01W5 BASAL QUARTZ A	1 543	0.92	0.19	1 150	1 029	121	40	4 833	4 175
BASAL QUARTZ C	1 414	0.70	0.15	842	742	100	40	3 953	912
BASAL QUARTZ G	475	0.90	0.15	364	281	83	41	3 396	150
ROCK CREEK A	118	0.65	0.10	69			39		200
RUNDLE A	31 235	0.92	0.13	25 000			40		12 366
ROCK CK A & RUNDLE A TOTAL	31 353	0.90	0.15	25 069	22 308	2 761	40	110 661	
RUNDLE B	31 096	0.92	0.21	22 600	21 004	1 596	40	63 824	8 584
RUNDLE F	2 103	0.85	0.15	1 520	1 142	378	40	15 211	1 385
RUNDLE H	453	0.90	0.15	347	340	7	40	280	200
RUNDLE I	649	0.85	0.15	469	435	34	40	1 363	431
WABAMUN A	37 500	0.75	0.52	13 500	11 591	1 909	36	69 583	29 146
OTHER	5 157			1 686	617	1 069		42 634	
TOTAL-CROSSFIELD	111 743			67 547	59 489	8 058		315 738	
CROSSFIELD EAST 030-01W5 BASAL QUARTZ A	374	0.90	0.10	303	97	206	38	7 898	631
ELKTON A SOLN	207	0.60	0.20	99b			41		

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.98	0.234	0.45	3 350	16	0.932	0.57	338.0	1949	1991	AEC CNRL NORCEN KANNGAZ ESSO BVI PANALTA NCMI CWNGNUL TCPL CNG VECTOR PART OF VIK POOL NO.6
2.22	0.286	0.65	2 540	20	0.952	0.56	355.6	1967	1991	KANNGAZ PANALTA TCPL
8.11	0.300	0.80	2 620	25	0.952	0.56	387.4	1969	1982	BVI PANALTA CNG MATERIAL BALANCE
6.17	0.269	0.80	2 570	18	0.952	0.56	371.2	1967	1990	TCPL MATERIAL BALANCE
2.50	0.265	0.70	2 930	26	0.947	0.57	524.6	1953	1989	AEC BVI PANALTA CWNGNUL TCPL CNG MATERIAL BALANCE
10.06	0.091	0.50	2 830	25	0.948	0.56	500.2	1961	1989	AEC PANALTA CWNGNUL TCPL PRODUCTION DECLINE
4.08	0.244	0.55	3 100	24	0.944	0.56	588.6	1951	1992	MATERIAL BALANCE
4.60	0.300	0.60	3 280	21	0.938	0.57	514.8	1991	1992	MATERIAL BALANCE
3.46	0.214	0.65	9 450	49	0.837	0.66	1 262.5	1951 1978	1992 1991	ATCOR A&S PRODUCTION DECLINE
7.98	0.175	0.80	5 500	30	0.907	0.58	746.6	1973	1987	AMERADA SHELL PANALTA PART OF BLSKY-DETR-DBLT NO.1 MATERIAL BALANCE
5.76	0.069	0.70	21 270	90	0.833	0.83	2 223.5	1974	1992	AMERADA NORCEN SHELL PROGAS PANALTA
6.44	0.052	0.65	21 470	89	0.818	0.84	2 295.5	1980	1990	PANALTA PROGAS MATERIAL BALANCE
4.07	0.128	0.55	19 550	82	0.885	0.64	2 320.9	1975	1979	PROGAS PANALTA
2.62	0.116	0.70	16 720	71	0.837	0.71	2 229.5	1957	1987	NORCEN TCPL PRODUCTION DECLINE
5.43	0.112	0.70	17 190	70	0.847	0.68	2 111.2	1966	1990	TCPL PRODUCTION DECLINE
3.39	0.130	0.70	26 820	71	0.864	0.76	2 573.7	1965	1989	PRODUCTION DECLINE
3.60	0.140	0.80	15 280	75	0.850	0.66	2 523.0	1986	1988	
11.83	0.108	0.85	22 900	81	0.876	0.71	2 558.2	1956 1956	1988 1988	MATERIAL BALANCE PREVIOUS GAS CYCLING
20.72	0.061	0.85	21 110	71	0.830	0.73	2 263.7	1957	1991	GARDNER TCPL PROGAS A&S
7.61	0.111	0.75	22 720	83	0.874	0.72	2 503.7	1970	1986	NORCEN TCPL MATERIAL BALANCE
12.65	0.115	0.90	22 900	79	0.861	0.75	2 560.2	1961	1992	A&S MATERIAL BALANCE
9.39	0.087	0.60	20 880	80	0.865	0.70	2 325.0	1972	1987	TCPL A&S PRODUCTION DECLINE
9.30	0.070	0.70	25 030	74	0.752	0.87	2 599.9	1954	1985	POCO TCPL PRODUCTION DECLINE TCPL PRODUCTION DECLINE
2.41	0.154	0.80	19 890	60	0.852	0.63 0.74	2 305.8	1964 1960	1987 1989	TCPL TCPL MATERIAL BALANCE CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
CROSSFIELD EAST 030-01W5 (CONTINUED)									
ELKTON A ASSOC	1 756	0.90	0.12	1 390 ^b	1 428 ^b	61	41	2 492	964
ELKTON D ASSOC	1 675	0.95	0.12	1 400 ^b			42		1 004
ELKTON D SOLN	516	0.60	0.25	233 ^b			42		
ELKTON D TOTAL	2 191	0.85	0.15	1 633 ^b	1 522 ^b	111	42	4 658	
WABAMUN A	33 333	0.80	0.55	12 000	10 507	1 493	37	54 495	21 741
WABAMUN B	1 091	0.75	0.45	450	284	166	39	6 459	3 316
OTHER	1 297			761	221	540		21 304	
TOTAL-CROSSFIELD EAST	40 249			16 636	14 059	2 577		97 306	
CROW (SA) 004-12W4									
TOTAL-CROW	24			16		16		567	
CRYSTAL 046-03W5									
VIKING A SOLN	1 343	0.43	0.15	490	304	186	42	7 721	
VIKING J	750	0.85	0.10	574	533	41	40	1 637	1 889
OTHER	938			547	55	492		19 772	
TOTAL-CRYSTAL	3 031			1 611	892	719		29 130	
CULP 079-24W5									
DEBOLT A	846	0.70	0.10	533		533	38	20 201	256
OTHER	2 530			1 732	5	1 727		64 263	
TOTAL-CULP	3 376			2 265	5	2 260		84 464	
CUTBANK 064-09W6									
TOTAL-CUTBANK	1 220			870		870		34 040	
CUTPICK (SA) 060-06W6									
TOTAL-CUTPICK	77			56		56		2 242	
CYGNET 037-28W4									
TOTAL-CYGNET	2 889			1 787	504	1 283		51 420	
CYN-PEM 051-11W5									
ELLERSLIE A	360	0.85	0.10	275			41		929
ELLERSLIE D	151	0.75	0.10	102			40		150
ELLERSLIE F	26	0.75	0.10	18			40		32
ELLERSLIE G	15	0.75	0.10	10			40		32
ELLERSLIE H	21	0.75	0.10	14			39		150
ROCK CREEK A	2 572	0.75	0.10	1 736			39		5 633
ROCK CREEK A	119	0.75	0.10	80			39		200
ROCK CREEK E	136	0.75	0.10	92			41		641
ROCK CREEK H	93	0.70	0.10	59			40		200
ROCK CREEK O	156	0.75	0.10	105			40		200
ROCK CREEK P	335	0.75	0.10	226			39		1 257
ROCK CREEK Q	60	0.75	0.10	41			40		432
ROCK CREEK R	36	0.75	0.10	24			40		200
ELRS & ROCK CK MU #2 TOTAL	4 080	0.75	0.10	2 782	1 159	1 623	40	64 238	
OTHER	2 482			1 219	153	1 066		42 249	
TOTAL-CYN-PEM	6 562			4 001	1 312	2 689		106 487	
CYPRESS (SA) 007-02W4									
TOTAL-CYPRESS	13			8		8		290	
CZAR 041-05W4									
TOTAL-CZAR	1 071			686	73	613		21 778	
DALEHURST 053-23W5									
TOTAL-DALEHURST	365			276		276		10 743	
DALEMEAD (SA) 022-26W4									
TOTAL-DALEMEAD	353			235		235		8 995	
DAPP 062-26W4									
TOTAL-DAPP	219			148	45	103		3 906	
DARWELL (SA) 054-05W5									
TOTAL-DARWELL	29			19		19		702	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
10.33	0.062	0.80	20 860	77	0.840	0.74	2 269.1	1960	1989	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION MATERIAL BALANCE CONCURRENT PRODUCTION MATERIAL BALANCE CONCURRENT PRODUCTION TCPL CONCURRENT PRODUCTION GARDNER INVRNS AMERADA UNIGAS PROGAS PANALTA TCPL MATERIAL BALANCE PANALTA NRTHSTR MATERIAL BALANCE
9.96	0.118	0.85	20 910	77	0.824	0.76 0.76	2 316.5	1960	1992	
10.06	0.054	0.85	24 990	83	0.723	0.99	2 669.7	1960	1986	
8.90	0.060	0.75	24 890	74	0.741	0.91	2 662.8	1959	1981	
						0.75		1978	1989	CRESTAR SCEPTRE POCO PANCDN SHELL ESSO ATCOR PROGAS AEC TCPL SCEPTRE UNIGAS SHELL PANCDN ATCOR MATERIAL BALANCE
5.32	0.137	0.75	10 160	70	0.858	0.67	1 600.5	1976	1991	
13.40	0.181	0.65	12 590	51	0.837	0.64	1 159.4	1973	1991	AMOCO BVI A&S
2.46	0.118	0.80	16 890	77	0.823	0.71	2 245.5	1974	1988	UNIGAS TCPL PROGAS PANALTA
8.00	0.120	0.65	16 770	80	0.838	0.72	2 273.0	1983	1990	
7.20	0.109	0.60	16 750	65	0.802	0.72	2 214.0	1979	1992	
4.57	0.105	0.60	16 750	76	0.822	0.73	2 179.0	1977	1992	
1.52	0.090	0.60	16 720	68	0.826	0.68	2 261.8	1974	1988	
4.03	0.095	0.70	17 500	76	0.837	0.71	2 272.7	1973	1992	
5.00	0.100	0.70	16 590	69	0.809	0.75	2 238.3	1987	1989	
1.83	0.100	0.70	17 460	85	0.839	0.70	2 331.9	1976	1987	
3.96	0.110	0.65	16 890	79	0.834	0.72	2 213.1	1979	1989	
5.77	0.130	0.70	13 850	61	0.795	0.73	2 254.5	1980	1984	
3.15	0.100	0.55	17 020	81	0.888	0.64	2 266.9	1977	1992	
1.47	0.089	0.65	17 000	81	0.843	0.70	2 233.5	1977	1992	
1.70	0.090	0.60	19 950	79	0.832	0.76	2 346.5	1991	1991	
								1973	1992	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
DARWIN 094-18W5 TOTAL-DARWIN	33			22		22		824	
DAVEY 034-27W4 BELLY RIVER A	520	0.85	0.05	420	385	35	37	1 301	3 846
OTHER	1 451			841	105	736		27 175	
TOTAL-DAVEY	1 971			1 261	490	771		28 476	
DAWN (SA) 080-26W5 TOTAL-DAWN	11			5		5		194	
DAWSON 080-16W5 TOTAL-DAWSON	366			227		227		8 411	
DEADMAN (SA) 082-19W4 TOTAL-DEADMAN	32			17		17		646	
DEADWOOD 091-23W5 TOTAL-DEADWOOD	243			162	65	97		3 471	
DEANNE 038-11W5 GLAUCONITIC A	571	0.80	0.10	411	92	319	41	13 053	300
OTHER	89			56	42	14		575	
TOTAL-DEANNE	660			467	134	333		13 628	
DECRENE 071-02W5 CLEARWATER A	1 128	0.80	0.05	857	422	435	37	16 269	4 278
CLEARWATER B	697	0.80	0.05	530	75	455	37	17 003	4 790
OTHER	861			541	206	335		12 439	
TOTAL-DECRENE	2 686			1 928	703	1 225		45 711	
DEEP 065-03W5 TOTAL-DEEP	232			154	35	119		4 484	
DEER 024-07W4 TOTAL-DEER	831			560		560		20 622	
DELIA 032-19W4 BELLY RIVER A	1 757	0.70	0.05	1 169	937	232	37	8 531	7 065
OTHER	1 987			1 235	216	1 019		37 929	
TOTAL-DELIA	3 744			2 404	1 153	1 251		46 460	
DEMAY 048-19W4 TOTAL-DEMAY	122			78	17	61		2 262	
DERWENT 054-07W4 TOTAL-DERWENT	421			286	46	240		8 942	
DESMARAIS 080-25W4 TOTAL-DESMARAIS	135			82		82		3 060	
DEVENISH 075-08W4 TOTAL-DEVENISH	102			51	3	48		1 742	
DEVIL 071-15W5 TOTAL-DEVIL	67			45		45		1 693	
DEWBERRY 053-04W4 TOTAL-DEWBERRY	283			198		198		7 248	
DICKINS (SA) 120-05W6 TOTAL-DICKINS	17			12		12		439	
DIMSDALE 071-07W6 PADDY A	2 526	0.80	0.05	1 920	427	1 493	38	56 973	1 651
OTHER	614			427		427		17 138	
TOTAL-DIMSDALE	3 140			2 347	427	1 920		74 111	
DINA 045-01W4 TOTAL-DINA	497			330		330		11 911	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
3.69	0.182	0.65	4 090	43	0.931	0.61	1 121.1	1974	1991	PROGAS CWNGNUL TOPL KANNGAZ MATERIAL BALANCE
7.40	0.120	0.80	36 460	105	1.023	0.67	3 461.0	1983	1991	NORCEN CWNGNUL
3.37 1.95	0.273 0.279	0.65 0.60	4 340 4 350	30 28	0.924 0.922	0.56 0.57	543.7 551.8	1976 1975	1992 1992	PINCL PANALTA NORCEN CANOXY A&S SHELL NORCEN CANOXY ATCOR
4.47	0.246	0.55	3 080	22	0.943	0.57	642.5	1976	1992	ENCOR AMERADA UNIGAS POCD PANALTA NCMI HUSKY A&S ESSO PRODUCTION DECLINE
8.15	0.215	0.85	10 490	57	0.880	0.58	1 365.0	1980	1992	KANNGAZ PANCDN PROGAS AMOCO ESSO A&S

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
DINANT 047-19W4 TOTAL-DINANT	291			191	55	136		4 988	
DIVIDE 082-13W4 TOTAL-DIVIDE	802			494	254	240		8 925	
DIXONVILLE 086-01W6 BLUESKY A	700	0.70	0.05	466	375	91	37	3 350	905
BLUESKY B	109	0.70	0.05	72			37		2 145
GETHING A	823	0.80	0.05	625			37		2 521
BLUESKY B & GETHING A TOTAL	932	0.80	0.05	697	492	205	37	7 673	
OTHER	1 946			1 261	328	933		34 459	
TOTAL-DIXONVILLE	3 578			2 424	1 195	1 229		45 482	
DIZZY (SA) 121-20W5 TOTAL-DIZZY	16			11		11		412	
DOBSON 029-09W4 TOTAL-DOBSON	442			292	170	122		4 384	
DOE 081-12W6 KISKATINAW A	460	0.95	0.05	415			38		387
KISKATINAW A	236	0.75	0.05	168			38		195
KISKATINAW A	115	0.65	0.05	71			38		579
KISKATINAW A TOTAL	811	0.85	0.05	654	280	374	38	14 309	
KISKATINAW B	913	0.85	0.05	737	112	625	38	23 925	512
OTHER	232			152	41	111		4 202	
TOTAL-DOE	1 956			1 543	433	1 110		42 436	
DOIG 090-10W6 TOTAL-DOIG	130			86		86		3 221	
DOLCY 041-04W4 TOTAL-DOLCY	140			94		94		3 307	
DONALDA 041-18W4 VIKING A		0.74	0.05				37		2 540
VIKING C		0.74	0.05				37		5 908
VIKING D		0.74	0.05				36		525
VIKING A, C & D TOTAL	649	0.75	0.05	456	427	29	37	1 067	
LOWER MANNVILLE G	405	0.80	0.05	308	23	285	38	10 736	1 765
OTHER	2 673			1 771	390	1 381		51 695	
TOTAL-DONALDA	3 727			2 535	840	1 695		63 498	
DORENLEE 043-20W4 TOTAL-DORENLEE	203			127	68	59		2 166	
DORIS 063-06W5 UPPER MANNVILLE A	497	0.85	0.10	380	7	373	40	14 778	771
OTHER	505			365	9	356		13 332	
TOTAL-DORIS	1 002			745	16	729		28 110	
DOSBURN (SA) 002-03W4 TOTAL-DOSBURN	43			30		30		1 110	
DOUCETTE 078-02W5 TOTAL-DOUCETTE	819			529		529		19 672	
DOWLING LAKE 032-15W4 TOTAL-DOWLING LAKE	298			207	74	133		5 051	
DRIFTPILE 073-12W5 TOTAL-DRIFTPILE	43			28		28		1 047	
DRIFTWOOD 077-22W4 TOTAL-DRIFTWOOD	509			301		301		11 112	
DROWNED 076-23W4 TOTAL-DROWNED	507			323	206	117		4 360	
DRUMHELLER 029-19W4 MANNVILLE F SOLN	20	0.65	0.10	12 ^b			39		
MANNVILLE F ASSOC	380	0.90	0.10	308 ^b	315 ^b	5	39	196	1 267

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.67	0.250	0.55	8 230	30	0.867	0.58	784.5	1972	1989	VECTOR PRODUCTION DECLINE
0.64	0.211	0.60	6 070	33	0.903	0.56	727.0	1952	1990	
3.80	0.214	0.65	6 020	34	0.903	0.56	742.3	1952	1990	PROGAS PANALTA CWNGNUL
7.12	0.126	0.70	20 730	77	0.889	0.62	2 377.4	1965	1987	
4.72	0.150	0.85	21 490	71	0.884	0.62	2 391.3	1965	1987	
2.49	0.070	0.60	21 100	80	0.895	0.62	2 445.3	1965	1987	
8.85	0.125	0.85	20 980	79	0.894	0.62	2 481.3	1965	1990	DART
1.31	0.140	0.55	6 280	42	0.908	0.58	997.3	1960	1986	PRODUCTION DECLINE
2.05	0.204	0.60	6 280	42	0.908	0.58	1 010.0	1957	1986	PRODUCTION DECLINE
0.91	0.160	0.55	6 280	42	0.912	0.58	1 037.5	1960	1986	PRODUCTION DECLINE
2.16	0.187	0.65	8 460	45	0.866	0.64	1 193.3	1957	1991	TCPL CNG ESSO
								1986	1989	TCPL
3.87	0.240	0.70	9 000	39	0.828	0.64	982.5	1972	1975	TCPL
2.76	0.150	0.65	9 990	40	0.815	0.65	1 285.8	1950	1989	TCPL CONCURRENT PRODUCTION
						0.65		1950	1989	TCPL CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
DRUMHELLER 029-19W4 (CONTINUED)									
MANNVILLE W	500	0.80	0.10	360	345	15	38	576	440
MANNVILLE CC	880	0.80	0.10	634	282	352	38	13 510	1 747
MANNVILLE G	752	0.85	0.10	575			39		544
MANNVILLE M	396	0.80	0.05	301			40		440
MANNVILLE G & M TOTAL	1 148	0.85	0.10	876	495	381	39	14 886	
LOWER MANNVILLE E	442	0.85	0.10	338	279	59	39	2 277	276
OTHER	7 486			4 783	2 445	2 338		90 692	
TOTAL-DRUMHELLER	10 856			7 311	4 161	3 150		122 137	
DUAGH (SA) 055-23W4									
TOTAL-DUAGH	15			10		10		367	
DUHAMEL 045-21W4									
TOTAL-DUHAMEL	1 047			571	167	404		15 479	
DUNCAN 074-15W4									
MCMURRAY F	2 235	0.65	0.05	1 380	823	557	37	20 693	28 808
MCMURRAY G	582	0.55	0.05	304	168	136	37	5 069	2 133
GROSMONT B	1 867	0.75	0.05	1 330	1 258	72	37	2 658	19 562
OTHER	1 831			1 056	149	907		33 626	
TOTAL-DUNCAN	6 515			4 070	2 398	1 672		62 046	
DUNVEGAN 081-04W6									
PEACE RIVER A	456	0.70	0.05	303	271	32	37	1 192	2 664
GETHING B	657	0.85	0.05	530	520	10	38	382	636
DEBOLT A	4 355	0.80	0.05	3 310			39		11 070
DEBOLT B	19 736	0.80	0.05	15 000			39		13 340
DEBOLT C	12 158	0.80	0.05	9 240			39		10 402
DEBOLT D	189	0.70	0.10	119			39		200
DEBOLT D	40	0.70	0.10	25			39		200
DEBOLT D	241	0.70	0.10	152			39		200
DEBOLT D	186	0.70	0.10	117			39		200
DEBOLT A,B,C & D TOTAL	36 905	0.80	0.05	27 963	17 672	10 291	39	397 336	
OTHER	5 548			3 951	691	3 260		123 843	
TOTAL-DUNVEGAN	43 566			32 747	19 154	13 593		522 753	
DUVERNAY 055-12W4									
VIKING A	831	0.40	0.05	315			37		26 867
VIKING M	59	0.40	0.05	23			37		1 780
VIKING A & M TOTAL	890	0.40	0.05	338	198	140	37	5 167	
COLONY B	1 680	0.60	0.05	958	203	755	37	28 252	4 920
OTHER	5 967			4 010	1 243	2 767		103 007	
TOTAL-DUVERNAY	8 537			5 306	1 644	3 662		136 426	
DYBERG 044-23W4									
TOTAL-DYBERG	542			363		363		13 568	
DYSON (SA) 018-05W5									
TOTAL-DYSON	227			153		153		5 675	
EAGLE BUTTE 007-05W4									
TOTAL-EAGLE BUTTE	169			118	53	65		2 352	
EAGLESHAM 077-25W5									
DEBOLT A	542	0.75	0.10	366	1	365	39	14 231	742
DEBOLT E	92	0.75	0.10	62			39		200
DEBOLT G	375	0.90	0.10	304			39		400
DEBOLT E & G TOTAL	467	0.85	0.10	366	144	222	39	8 574	
WAB 32-077 ASSOC	544	0.80	0.10	392		392	33	12 826	200
WAB 34-077-25	777	0.85	0.15	561		561	33	18 777	200
OTHER	1 516			1 068	394	674		25 529	
TOTAL-EAGLESHAM	3 846			2 753	539	2 214		79 937	
EAGLESHAM NORTH 078-25W5									
TOTAL-EAGLESHAM NORTH	447			293	65	228		8 259	
EARRING 083-08W6									
TOTAL-EARRING	1 499			1 038	64	974		37 161	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
4.70	0.227	0.70	9 770	39	0.836	0.63	1 246.0	1973	1992	TCPL PRODUCTION DECLINE
3.84	0.198	0.65	9 910	52	0.851	0.65	1 311.2	1976	1992	UNIGAS PANALTA SCEPTRE TCPL A&S
2.78	0.233	0.70	9 550	37	0.815	0.66	1 288.5	1964	1992	
2.47	0.170	0.65	10 110	47	0.823	0.67	1 340.2	1969	1990	PRODUCTION DECLINE
								1964	1992	GARDNER TCPL
5.99	0.170	0.60	9 570	37	0.810	0.67	1 330.4	1974	1991	TCPL PRODUCTION DECLINE NONCOMMERCIAL OIL
3.02	0.286	0.45	2 030	27	0.964	0.57	524.8	1971	1992	PANALTA CNRL HOME ATCOR BVI NCMI
2.52	0.305	0.75	2 000	16	0.959	0.56	487.2	1981	1992	PANALTA PRODUCTION DECLINE
9.89	0.129	0.30	2 050	27	0.963	0.57	580.4	1972	1991	PANALTA CNRL HOME MATERIAL BALANCE
3.64	0.265	0.70	2 240	24	0.959	0.56	452.6	1951	1992	A&S PRODUCTION DECLINE DEEP CUT SL
2.73	0.240	0.80	9 030	41	0.864	0.60	913.9	1972	1991	A&S MATERIAL BALANCE DEEP CUT SL, GAS STORAGE
2.90	0.153	0.60	13 620	49	0.814	0.65	1 435.7	1963	1991	DEEP CUT SL
9.53	0.166	0.60	14 330	49	0.812	0.65	1 458.0	1963	1991	DEEP CUT SL
7.27	0.160	0.60	15 340	49	0.809	0.65	1 492.5	1952	1991	DEEP CUT SL
6.50	0.130	0.65	15 910	49	0.816	0.63	1 285.9	1972	1990	TP/BS TVD.DPCT SL,ASWELL 13-12-80-3W6
1.20	0.150	0.65	15 910	49	0.817	0.63	1 549.0	1972	1989	DEEP CUT SL
6.70	0.150	0.70	15 910	49	0.821	0.63	1 537.3	1972	1989	DEEP CUT SL, ASSIGNED WELL 1-29-80-2W6
6.60	0.130	0.70	14 700	54	0.826	0.64	1 534.5	1972	1989	DEEP CUT SL, ASSIGNED WELL 6-22-80-3W6
								1952	1991	ESSO A&S DEEP CUT SL
0.69	0.215	0.50	3 930	18	0.921	0.57	469.1	1949	1991	PART OF VIK POOL NO.6
0.95	0.201	0.50	3 290	17	0.933	0.58	437.0	1953	1988	PART OF VIK POOL NO.6
								1949	1991	POCD NORCEN PANCDN PANALTA NCMI SASKEN
										DIRECT CWNGNUL KANNGAZ TCPL PART OF VIK
3.92	0.279	0.70	4 300	25	0.920	0.57	536.7	1972	1984	POOL NO.6
										PANALTA DIRECT CWNGNUL TCPL
3.35	0.178	0.75	14 450	47	0.787	0.67	1 370.8	1959	1989	ESSO PANALTA A&S CANOXY
2.74	0.140	0.75	15 410	58	0.829	0.64	1 412.0	1976	1982	
4.75	0.160	0.75	15 470	53	0.821	0.64	1 435.8	1952	1990	
								1952	1990	PANALTA CANOXY
23.00	0.068	0.85	22 050	72	0.889	0.73	2 045.5	1988	1988	AMERADA DIRECT BER
58.80	0.040	0.85	22 060	82	0.910	0.73	2 043.5	1988	1989	AMERADA CANOXY DIRECT BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
EASTMONT 012-27W4 TOTAL-EASTMONT	311			224	126	98		3 822	
ECONOMY (SA) 068-02W6 TOTAL-ECONOMY	52			35		35		1 353	
EDBERG 044-19W4 TOTAL-EDBERG	664			419	15	404		14 848	
EDGERTON 045-04W4 TOTAL-EDGERTON	1 200			800	400	400		14 257	
EDMONTON (SA) 053-25W4 TOTAL-EDMONTON	37			23		23		865	
EDRA (SA) 099-25W4 TOTAL-EDRA	109			66		66		2 335	
EDSON 052-18W5									
CARDIUM C SOLN	1 231	0.65	0.25	600b			42		
CARDIUM C ASSOC	2	0.75	0.15	2b	455b	147	42	6 143	200
CARDIUM K ASSOC	7	0.65	0.10	5b			42		64
CARDIUM K SOLN	1 818	0.65	0.10	1 064b			42		
CARDIUM&BLUESKY MU#1 TOTAL	1 825	0.65	0.10	1 069b	565b	504	42	21 193	
VIKING A	894	0.85	0.10	684	650	34	40	1 353	440
VIKING B	3 704	0.75	0.10	2 500	1 345	1 155	39	45 461	5 314
VIKING D	1 840	0.95	0.10	1 573	1 494	79	39	3 096	1 319
GETHING A	6 750	0.80	0.05	5 130	4 234	896	40	35 948	4 029
GETHING G	1 876	0.50	0.25	704	92	612	41	25 257	1 984
ROCK CREEK A	544	0.90	0.10	441		441	41	17 953	200
ELKTON A		0.85	0.10				39		45 499
SHUNDA A		0.85	0.10				39		440
SHUNDA B		0.85	0.10				39		440
ELK A, SHUN A & B TOTAL	56 470	0.85	0.10	43 200	38 978	4 222	39	162 800	
BLUERIDGE B	1 716	0.85	0.15	1 240	932	308	39	11 898	3 232
OTHER	5 955			3 546	687	2 859		114 115	
TOTAL-EDSON	82 807			60 689	49 432	11 257		445 217	
EDWARD 060-16W4									
COLONY F	53	0.65	0.05	32			37		598
GRAND RAPIDS S	84	0.70	0.05	56			38		883
GRAND RAPIDS EE	60	0.70	0.05	40			38		821
GRAND RAPIDS FF	116	0.65	0.05	71			38		790
GRAND RAPIDS HH	33	0.65	0.05	20			37		300
GRAND RAPIDS KK	30	0.80	0.05	23			37		75
GRAND RAPIDS LL	20	0.65	0.05	12			37		200
GRAND RAPIDS MM	60	0.80	0.05	46			37		200
GROSMONT C	50	0.60	0.05	29			37		300
GROSMONT D	8	0.50	0.05	4			37		200
GRD RP & GSMT MU#1 TOTAL	514	0.70	0.05	333	80	253	38	9 498	
GRAND RAPIDS A	178	0.70	0.05	119			37		1 620
GRAND RAPIDS C	307	0.70	0.05	204			37		1 845
GRAND RAPIDS D	37	0.70	0.05	25			37		200
GRAND RAPIDS F	16	0.75	0.05	11			37		254
GRAND RAPIDS A,C,D&F TOTAL	538	0.70	0.05	359	216	143	37	5 348	
NISKU A	583	0.60	0.05	333	114	219	37	8 138	1 072
NISKU D	1 240	0.60	0.05	707	496	211	36	7 645	2 282
OTHER	5 023			3 233	1 281	1 952		72 881	
TOTAL-EDWARD	7 898			4 965	2 187	2 778		103 510	
ELIZA 055-08W4 TOTAL-ELIZA	476			323		323		11 992	
ELKWATER 008-03W4									
SECOND WHITE SPECKS A	623	0.65	0.05	385	2	383	36	13 976	5 720
OTHER	1 994			1 251	1	1 250		45 543	
TOTAL-ELKWATER	2 617			1 636	3	1 633		59 519	
ELLERSLIE 051-24W4 TOTAL-ELLERSLIE	59			37	37				

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
0.13	0.040	0.85	15 910	68	0.765	0.78	1 940.7	1972	1989	A&S TCPL GPP
0.85	0.138	0.80	10 670	59	0.793	0.74	1 950.5	1972	1989	A&S TCPL GPP
						0.74		1962	1992	SOLN MU-CARDIUM I.K.P.AA&BSK A. GPP
								1962	1992	SOLN MU-CARDIUM I.K.P.AA&BSK A. GPP
								1962	1992	TCPL A&S GPP
3.70	0.130	0.60	39 210	83	1.046	0.65	2 803.0	1974	1992	TCPL PRODUCTION DECLINE DEEP CUT SL
2.51	0.127	0.80	22 150	87	0.890	0.66	2 503.7	1973	1985	ESSO PANALTA TCPL MATERIAL BALANCE
3.77	0.163	0.75	21 540	87	0.895	0.63	2 453.3	1966	1992	INVRNS ENCOR TCPL ESSO NRTHRG MATERIAL BALANCE
11.28	0.116	0.75	23 150	83	0.866	0.72	2 537.4	1963	1987	TCPL MATERIAL BALANCE
3.39	0.122	0.80	40 230	105	1.059	0.71	3 065.6	1989	1992	TCPL CONOCO DEEP CUT SL
11.00	0.110	0.75	37 500	76	1.019	0.65	2 904.1	1977	1983	TCPL
6.29	0.101	0.85	26 600	102	0.951	0.65	2 843.2	1962	1984	PRODUCTION DECLINE
4.88	0.034	0.75	26 790	109	0.961	0.64	2 982.1	1964	1981	PRODUCTION DECLINE
4.88	0.040	0.80	26 810	103	0.955	0.64	3 027.7	1964	1981	PRODUCTION DECLINE
								1962	1981	TCPL
3.70	0.067	0.75	30 460	104	0.967	0.68	3 023.6	1978	1990	HOME PROGAS HUSKY TCPL
1.55	0.304	0.55	3 260	19	0.936	0.56	521.4	1985	1986	
1.73	0.280	0.55	3 440	22	0.932	0.57	569.9	1977	1989	
1.43	0.314	0.50	3 130	20	0.937	0.57	517.4	1978	1991	
2.55	0.276	0.60	3 320	19	0.932	0.58	564.4	1985	1991	
1.80	0.336	0.55	3 160	20	0.938	0.57	519.0	1985	1990	
3.40	0.320	0.55	6 070	21	0.889	0.56	513.0	1989	1989	
1.83	0.280	0.60	3 180	26	0.942	0.56	510.6	1977	1989	
3.00	0.280	0.50	6 560	23	0.879	0.57	566.0	1985	1991	
4.80	0.123	0.60	4 620	32	0.923	0.57	663.2	1977	1989	
2.60	0.100	0.55	2 610	23	0.951	0.56	619.7	1986	1989	
								1977	1991	CNRL PROGAS NCMI A&S
1.59	0.296	0.60	3 740	22	0.927	0.57	530.7	1951	1992	
2.25	0.297	0.65	3 690	22	0.928	0.57	527.7	1951	1989	
2.40	0.290	0.70	3 790	30	0.933	0.58	539.4	1951	1989	
0.83	0.300	0.65	3 790	30	0.933	0.57	534.8	1951	1988	
								1951	1992	CNRL LOMALTA HILL ATCOR TCPL
3.43	0.160	0.75	3 440	23	0.936	0.56	647.6	1972	1983	HILL CNRL LOMALTA TCPL PRODUCTION DECLINE
14.14	0.154	0.80	3 430	23	0.937	0.57	671.7	1972	1985	AMERADA CNRL TCPL AMOCO MATERIAL BALANCE
2.12	0.188	0.50	5 330	32	0.910	0.60	974.8	1970	1992	CRESTAR

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ELLS 096-16W4 TOTAL-ELLS	516			250		250		9 168	
ELLSCOTT 064-21W4 TOTAL-ELLSCOTT	751			504	183	321		12 061	
ELMWORTH 070-11W6									
CADOTTE A	3 537	0.60	0.10	1 910	477	1 433	39	55 443	7 669
CADOTTE C	910	0.60	0.10	491	2	489	39	18 919	2 391
CADOTTE D	579	0.60	0.10	313	27	286	39	11 137	1 784
FALHER A-22	537	0.85	0.15	388	46	342	40	13 536	500
FALHER A-1	10 574	0.85	0.15	7 640			40		34 229
FALHER A-2	2 795	0.85	0.15	2 020			40		12 853
FALHER A-4	289	0.75	0.15	184			40		2 479
FALHER A-5	356	0.70	0.15	212			39		3 849
FALHER A-7	249	0.85	0.15	180			39		2 199
FALHER A-10	7 889	0.85	0.15	5 700			39		20 431
FALHER A-16	112	0.75	0.15	71			39		1 046
FALHER A-21	93	0.75	0.15	60			40		250
FALHER B-1	3 378	0.85	0.15	2 440			39		11 996
FALHER B-3	3 793	0.85	0.15	2 740			39		8 946
FALHER B-4	4 907	0.85	0.15	3 545			39		12 684
FALHER B-5	16	0.75	0.20	10			41		128
FALHER B-14	212	0.85	0.15	153			39		794
FALHER B-15	216	0.70	0.05	143			38		1 007
FALHER B-16	61	0.75	0.10	41			39		250
FALHER C-2	56	0.75	0.15	36			40		250
FALHER C-3	43	0.75	0.20	26			38		250
FALHER D-2	892	0.85	0.10	682			39		2 876
FALHER D-3	32	0.75	0.15	20			39		250
FALHER MU NO. 1 TOTAL	35 963	0.85	0.15	25 903	17 040	8 863	39	348 316	
FALHER B-2	798	0.85	0.15	576	383	193	39	7 581	1 978
FALHER B-9	1 441	0.85	0.15	1 041	877	164	39	6 442	5 080
FALHER B-11	613	0.75	0.15	391	308	83	40	3 293	250
FALHER B-12	874	0.85	0.15	632	619	13	39	511	1 757
BLSK 070-06	1 005	0.80	0.20	643		643	40	25 566	1 191
CADOMIN A	8 286	0.70	0.15	4 930	107	4 823	38	184 769	29 315
HALFWAY A	693	0.70	0.25	364		364	36	13 064	1 058
HALFWAY B	502	0.85	0.20	342	66	276	41	11 357	1 064
OTHER	13 825			8 731	1 118	7 613		297 907	
TOTAL-ELMWORTH	69 563			46 655	21 070	25 585		997 841	
ELNORA 035-22W4									
UPPER MANNVILLE A	610	0.75	0.05	435	371	64	38	2 413	4 004
OTHER	2 633			1 676	626	1 050		40 643	
TOTAL-ELNORA	3 243			2 111	997	1 114		43 056	
EMPRESS 024-02W4 TOTAL-EMPRESS	251			180		180		6 556	
ENCHANT 014-16W4 BOW ISLAND I	428	0.80	0.05	325	300	25	35	884	6 680
BASAL COLORADO A	780	0.85	0.05	630	607	23	38	863	4 147
UPPER MANNVILLE A	711	0.75	0.10	480	417	63	38	2 366	2 598
UPPER MANNVILLE E	1 249	0.80	0.05	949	315	634	36	23 008	5 408
UPPER MANNVILLE L	527	0.90	0.10	427	58	369	37	13 612	1 830
LIV 16-014-15	433	0.80	0.10	311		311	37	11 429	200
OTHER	5 583			3 834	1 132	2 702		96 824	
TOTAL-ENCHANT	9 711			6 956	2 829	4 127		148 986	
ENDIANG 035-16W4									
UPPER MANNVILLE C	676	0.65	0.10	395	319	76	39	2 935	1 976
OTHER	208			138	64	74		2 760	
TOTAL-ENDIANG	884			533	383	150		5 695	
ENDONA (SA) 006-09W4 TOTAL-ENDONA	18			13		13		494	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
4.03	0.096	0.65	12 870	64	0.862	0.61	1 858.3	1970	1989	PROGAS PANALTA TCPL ESSO AMOCO DEEP CUT SL
3.32	0.106	0.70	12 160	64	0.866	0.61	1 658.0	1978	1985	PANALTA TCPL DEEP CUT SL
3.81	0.093	0.65	12 700	64	0.858	0.62	1 793.5	1978	1990	PANALTA TCPL DEEP CUT SL
8.05	0.116	0.75	15 690	70	0.849	0.64	1 689.9	1979	1988	PROGAS DEEP CUT SL
4.38	0.081	0.60	14 940	71	0.851	0.64	1 992.8	1970	1991	DEEP CUT SL
2.97	0.070	0.70	15 400	71	0.852	0.65	2 119.0	1977	1991	DEEP CUT SL
2.06	0.058	0.65	15 470	71	0.852	0.64	2 074.6	1978	1985	DEEP CUT SL
1.77	0.060	0.60	14 800	69	0.849	0.63	1 998.5	1976	1987	DEEP CUT SL
2.05	0.064	0.60	14 090	64	0.828	0.67	1 922.1	1978	1987	DEEP CUT SL
5.38	0.077	0.65	15 030	72	0.864	0.63	2 067.8	1977	1992	DEEP CUT SL, NONCOMMERCIAL OIL
2.61	0.056	0.50	15 560	76	0.869	0.63	2 248.6	1980	1990	DEEP CUT SL
3.40	0.110	0.70	14 630	71	0.853	0.64	1 819.0	1980	1991	DEEP CUT SL
4.07	0.079	0.65	13 920	69	0.859	0.63	1 919.2	1955	1990	DEEP CUT SL
6.26	0.080	0.65	13 550	69	0.865	0.62	1 852.0	1978	1991	DEEP CUT SL
4.86	0.080	0.65	15 630	69	0.849	0.65	2 056.0	1976	1992	DEEP CUT SL
2.02	0.061	0.70	15 120	81	0.852	0.67	1 995.8	1979	1985	DEEP CUT SL
3.12	0.100	0.65	13 640	69	0.861	0.62	1 937.1	1955	1986	DEEP CUT SL
3.90	0.073	0.55	15 310	82	0.895	0.60	2 264.3	1978	1990	DEEP CUT SL
5.00	0.060	0.55	15 410	72	0.854	0.64	2 137.6	1980	1992	
3.09	0.080	0.60	15 570	71	0.851	0.63	2 034.0	1977	1988	DEEP CUT SL
1.50	0.080	0.70	22 750	85	0.877	0.72	2 103.8	1978	1988	DEEP CUT SL
3.26	0.096	0.65	15 340	66	0.844	0.63	1 959.3	1976	1988	DEEP CUT SL
1.83	0.070	0.70	14 550	70	0.857	0.63	2 016.0	1978	1988	DEEP CUT SL
								1955	1992	NORCEN HOME ESSO HUSKY CHEL TCPL PROGAS
4.88	0.102	0.55	15 150	69	0.855	0.62	1 883.7	1977	1990	PANALTA AMOCO DEEP CUT SL
3.68	0.066	0.65	15 290	69	0.855	0.62	2 127.7	1978	1992	TCPL DEEP CUT SL
5.52	0.080	0.70	14 890	80	0.866	0.64	1 977.0	1981	1992	CHEL TCPL PRODUCTION DECLINE DEEP CUT SL
5.81	0.080	0.60	15 320	69	0.855	0.62	1 883.5	1979	1989	TCPL PRODUCTION DECLINE DEEP CUT SL
5.23	0.144	0.70	15 620	65	0.821	0.68	1 848.8	1979	1989	TCPL PRODUCTION DECLINE DEEP CUT SL
4.84	0.051	0.70	18 420	88	0.887	0.65	2 522.0	1977	1990	PANCDN DEEP CUT SL
										CHEL PROGAS PANALTA TCPL PART OF CDM POOL
4.73	0.078	0.70	29 750	89	0.921	0.70	2 642.0	1978	1980	NO.1 DEEP CUT SL
2.95	0.111	0.70	24 130	101	0.891	0.73	2 317.5	1981	1988	PROGAS TCPL
										HOME PROGAS DEEP CUT SL
1.41	0.186	0.70	8 200	48	0.876	0.62	1 544.7	1969	1987	INVRNS CANST PANCDN TCPL CNG
1.04	0.177	0.50	5 940	24	0.900	0.58	714.8	1972	1992	CRESTAR PANCDN NORCEN HUSKY CWNGNUL TCPL
1.44	0.205	0.65	8 800	30	0.826	0.65	874.9	1968	1989	SCEPTRE AMOCO PRODUCTION DECLINE
1.24	0.190	0.65	10 860	30	0.787	0.67	1 012.0	1953	1991	CRESTAR OPINAC NORCEN TCPL MATERIAL
1.40	0.208	0.65	10 780	32	0.824	0.64	996.0	1966	1991	BALANCE
1.85	0.208	0.60	10 830	33	0.807	0.66	986.2	1966	1982	CRESTAR PANCDN DIRECT TCPL PRODUCTION
24.00	0.090	0.80	10 990	36	0.807	0.68	979.8	1987	1991	DECLINE
										CRESTAR NORCEN PANALTA TCPL ESSO
										NORCEN PANALTA TCPL
										CANST
3.42	0.193	0.60	8 020	38	0.849	0.64	1 186.6	1975	1991	POCO PANCDN KANNGAZ ATCOR CANOXY A&S

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ENTICE 028-24W4									
BELLY RIVER P	562	0.60	0.05	320	278	42	37	1 536	1 247
BELLY RIVER B	687	0.90	0.05	587			37		3 359
BELLY RIVER K	624	0.90	0.05	534			36		7 401
BELLY RIVER B & K TOTAL	1 311	0.90	0.05	1 121	1 077	44	37	1 607	
OTHER	1 065			572	346	226		8 192	
TOTAL-ENTICE	2 938			2 013	1 701	312		11 335	
ERSKINE 039-21W4									
BLAIRMORE		0.80	0.10				39		433
BLAIRMORE		0.80	0.10				38		851
BLAIRMORE TOTAL	1 175	0.80	0.10	846	647	199	39	7 707	
D-3 SOLN	537	0.65	0.50	175 ^b			37		
D-3 ASSOC	1 063	0.85	0.15	768 ^b	540 ^b	403	37	14 830	1 106
OTHER	3 476			2 255	799	1 456		55 194	
TOTAL-ERSKINE	6 251			4 044	1 986	2 058		77 731	
ESTHER 031-02W4									
BELLY RIVER A	443	0.75	0.05	315	298	17	37	630	6 562
VIKING A ASSOC	1 474	0.80	0.05	1 120		1 120	37	41 597	9 501
UPPER MANNVILLE A	562	0.80	0.05	428	302	126	37	4 656	1 846
BANFF A	942	0.90	0.05	806	763	43	38	1 625	400
OTHER	2 606			1 759	515	1 244		46 647	
TOTAL-ESTHER	6 027			4 428	1 878	2 550		95 155	
ESTUARY 023-22W4									
TOTAL-ESTUARY	805			535	143	392		14 737	
ETHEL LAKE 065-03W4									
GRAND RAPIDS A	569	0.65	0.05	352	219	133	37	4 958	649
OTHER	521			267	111	156		5 776	
TOTAL-ETHEL LAKE	1 090			619	330	289		10 734	
ETZIKOM 006-08W4									
BOW ISLAND A	1 909	0.75	0.05	1 360	1 329	31	37	1 134	5 066
OTHER	224			158	36	122		4 286	
TOTAL-ETZIKOM	2 133			1 518	1 365	153		5 420	
EUREKA 088-03W6									
TOTAL-EUREKA	95			60		60		2 285	
EVANSBURG (SA) 053-07W5									
TOTAL-EVANSBURG	84			53		53		2 055	
EVI 087-13W5									
TOTAL-EVI	552			270	8	262		7 249	
EWING LAKE 037-21W4									
TOTAL-EWING LAKE	404			203	126	77		2 815	
EXCELSIOR 056-24W4									
TOTAL-EXCELSIOR	1 328			874	365	509		19 007	
EXPANSE 088-04W6									
TOTAL-EXPANSE	215			143	6	137		5 125	
EYEHILL 041-06W4									
TOTAL-EYEHILL	133			86		86		3 051	
EYREMORE 018-18W4									
BOW ISLAND A	550	0.80	0.05	418	388	30	36	1 083	2 780
OTHER	1 328			894	189	705		25 858	
TOTAL-EYREMORE	1 878			1 312	577	735		26 941	
FAIRYDELL-BON ACCORD 057-24W4									
UPPER VIKING A	1 033	0.30	0.04	298			38		12 165
UPPER VIKING C		0.70	0.05				38		200
MIDDLE VIKING A	3 125	0.95	0.04	2 850			38		9 556
MIDDLE VIKING B	454	0.90	0.04	393			38		1 865

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
5.71 7.14 2.93	0.235 0.228 0.215	0.60 0.55 0.55	2 960 2 960 3 240	35 30 29	0.952 0.948 0.942	0.57 0.58 0.58	741.4 791.6 821.9	1974 1969 1969	1985 1988 1988	PANCDN CWNGNUL PRODUCTION DECLINE MATERIAL BALANCE PRODUCTION DECLINE CWNGNUL
2.87 6.59	0.177 0.156	0.65 0.70	9 650 9 590	55 53	0.854 0.858	0.66 0.64	1 354.5 1 352.4	1952 1952	1980 1981	PRODUCTION DECLINE NONCOMMERCIAL OIL PRODUCTION DECLINE TCPL
9.41	0.075	0.85	15 340	60	0.818	0.74 0.74	1 631.5	1952 1952	1992 1992	CNWE TCPL CONCURRENT PRODUCTION CNWE TCPL CONCURRENT PRODUCTION
1.52 1.81 2.08 5.81	0.281 0.218 0.279 0.190	0.65 0.55 0.65 0.70	2 340 6 470 7 450 8 130	12 24 27 29	0.950 0.869 0.875 0.855	0.56 0.62 0.57 0.59	248.5 696.9 752.8 849.8	1956 1969 1969 1957	1992 1990 1989 1992	CRESTAR POCO ESSO GULF TCPL SASKEN PRODUCTION DECLINE POCO GPP CRESTAR SASKEN POCO GULF PRODUCTION DECLINE
3.43	0.301	0.70	2 080	14	0.956	0.56	363.0	1966	1989	ESSO PRODUCTION DECLINE
3.22	0.227	0.50	5 550	25	0.896	0.59	681.4	1951	1967	CTYMEDH MATERIAL BALANCE
2.61	0.200	0.45	7 830	29	0.876	0.57	953.0	1953	1986	CRESTAR NORCEN PANCDN HOME RENENER PANALTA TCPL
1.41 1.50 3.23 2.79	0.224 0.240 0.199 0.233	0.50 0.50 0.60 0.50	5 110 5 710 5 820 5 820	27 27 25 37	0.902 0.890 0.886 0.897	0.59 0.60 0.60 0.60	800.2 754.1 808.4 776.8	1947 1961 1950 1947	1991 1988 1991 1991	PART OF VIK POOL NO.1 PRODUCTION DECLINE PART OF VIK POOL NO.1 PART OF VIK POOL NO.1 PRODUCTION DECLINE PART OF VIK POOL NO.1 PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
FAIRYDELL-BON ACCORD 057-24W4 (CONTINUED) U VIK AC & M VIK AB TOTAL	4 612	0.80	0.05	3 541	3 440	101	38	3 803	
BASAL MANNVILLE A SOLN	11	0.65	0.10	6 ^b			37		
BASAL MANNVILLE A ASSOC	457	0.90	0.10	370 ^b	251 ^b	125	37	4 679	1 039
BASAL MANNVILLE C SOLN	96	0.65	0.10	56 ^b			36		
BASAL MANNVILLE C ASSOC	604	0.90	0.10	490 ^b	427 ^b	119	36	4 301	296
OTHER	992			578	154	424		15 934	
TOTAL-FAIRYDELL-BON ACCORD	6 772			5 041	4 272	769		28 717	
FAITH (SA) 003-12W4 TOTAL-FAITH	105			75		75		2 749	
FARMINGTON 080-11W6 KISKATINAW A	952	0.85	0.05	769	377	392	37	14 696	400
OTHER	801			574	201	373		14 213	
TOTAL-FARMINGTON	1 753			1 343	578	765		28 909	
FARRELL 034-16W4 TOTAL-FARRELL	395			264	115	149		5 470	
FARROW 020-24W4 TOTAL-FARROW	798			502	104	398		15 320	
FAWCETT (SA) 075-21W4 TOTAL-FAWCETT	69			39		39		1 452	
FENN WEST 036-20W4 TOTAL-FENN WEST	1 777			1 058	384	674		26 017	
FENN-BIG VALLEY 035-20W4 BELLY RIVER J	1 359	0.65	0.05	839	550	289	36	10 413	6 740
VIKING B	900	0.80	0.10	648	598	50	39	1 945	7 378
D-2 A ASSOC	46	0.75	0.30	25 ^b			42		65
D-2 A SOLN	6 160	0.64	0.55	1 774 ^b			42		
D-2 A ASSOC	19	0.75	0.30	10 ^b			42		78
D-2 A ASSOC	37	0.75	0.30	20 ^b			42		53
D-2 A ASSOC	282	0.75	0.30	148 ^b			42		190
D-2 A ASSOC	102	0.75	0.30	54 ^b			42		199
D-2 A TOTAL	6 646	0.65	0.55	2 031 ^b	1 808 ^b	223	42	9 263	
OTHER	3 887			2 234	809	1 425		53 485	
TOTAL-FENN-BIG VALLEY	12 792			5 752	3 765	1 987		75 106	
FERGUSON 003-17W4 TOTAL-FERGUSON	30			21		21		799	
FERINTOSH 044-21W4 TOTAL-FERINTOSH	1 300			835	238	597		22 813	
FERRIER 039-08W5 CARDIUM G ASSOC	44	0.85	0.15	31 ^b			42		185
CARDIUM G SOLN	18 750	0.32	0.15	5 100 ^b			42		
CARDIUM G ASSOC	1 882	0.85	0.15	1 360 ^b			42		1 590
CARDIUM G ASSOC	2 581	0.85	0.15	1 865 ^b			42		1 853
CARDIUM G ASSOC	10 823	0.85	0.15	7 820 ^b			42		4 915
CARDIUM G & L TOTAL	34 080	0.55	0.15	16 176 ^b	8 913 ^b	7 263	42	303 376	
CARDIUM O	759	0.90	0.10	615			40		1 709
CARDIUM Z	194	0.85	0.10	149			40		1 210
CARDIUM O & Z TOTAL	953	0.90	0.10	764	203	561	40	22 305	
CARDIUM FF	246	0.80	0.10	177			40		883
CARDIUM II	182	0.75	0.10	123			41		400
CARDIUM FF & II TOTAL	428	0.80	0.10	300	183	117	40	4 729	
CARDIUM N ASSOC	360	0.85	0.10	275 ^b			41		440

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
								1947	1991	CANST AMOCO NORCEN CWNGNUL PART OF VIK POOL NO.1
5.51	0.204	0.55	7 070	43	0.895	0.63 0.63 0.63	1 028.0	1951 1951 1965	1990 1990 1991	NORCEN CANST CWNGNUL CONCURRENT PRODUCTION NORCEN CANST CWNGNUL CONCURRENT PRODUCTION PANALTA TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
6.22	0.215	0.75	7 310	42	0.887	0.63	1 055.0	1965	1991	PANALTA TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
11.85	0.159	0.70	21 510	93	0.926	0.59	2 315.1	1977	1989	ENCOR PANALTA
4.63	0.255	0.55	3 030	21	0.944	0.57	638.2	1951	1991	SHAMAN PANALTA NORCEN UNIGAS TCPL SHELL KANNGAZ GULF ATCOR PART OF BR POOL NO.3
1.43	0.140	0.55	7 240	41	0.857	0.66	1 179.8	1952	1992	OPINAC ENCOR NORCEN PANALTA CWNGNUL TCPL GULF PART OF VIK POOL NO.4 PRODUCTION DECLINE
4.48	0.111	0.85	12 750	48	0.668	0.95 0.95	1 596.1	1950 1950	1988 1988	GPP GPP
2.09	0.093	0.75	12 750	48	0.666	0.95	1 573.6	1950	1984	GPP
3.89	0.124	0.85	12 750	48	0.668	0.95	1 597.2	1950	1984	GPP
7.79	0.132	0.85	12 750	48	0.666	0.95	1 589.9	1950	1985	GPP
3.96	0.095	0.80	12 750	48	0.666	0.95	1 578.3	1950 1950	1984 1990	GPP NORCEN CWNGNUL GPP
1.59	0.090	0.70	21 770	60	0.782	0.76 0.76	2 057.1	1961 1961	1992 1992	SOLN MU-CARDIUM G&L. GPP SOLN MU-CARDIUM G&L. GPP
3.24	0.161	0.85	21 770	60	0.782	0.76	2 056.1	1961	1992	PRODUCTION DECLINE
3.16	0.170	0.85	21 770	60	0.782	0.76	2 029.3	1961	1992	PRODUCTION DECLINE
7.74	0.137	0.85	21 770	60	0.782	0.76	2 066.0	1961 1961	1992 1992	PRODUCTION DECLINE POCO PANCDN NORCEN CANST AMERADA TCPL NCMI ESSO HUSKY A&S GPP
2.19	0.120	0.80	22 000	73	0.856	0.68	2 253.7	1969	1991	
1.81	0.064	0.60	22 570	62	0.829	0.69 0.68	2 303.2	1975 1969	1991 1991	ENCOR AMOCO PROGAS PANALTA AMERADA TCPL NORCEN
1.72	0.090	0.75	24 110	63	0.851	0.67	2 316.3	1956	1987	
3.65	0.099	0.75	16 460	70	0.813	0.70	2 272.3	1956 1956	1988 1987	PROGAS PANALTA TCPL PRODUCTION DECLINE SOLN MU-CARDIUM B.N & VIK A. CONC PR
2.40	0.126	0.90	22 340	83	0.845	0.75	2 232.7	1955	1989	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
FERRIER 039-08W5 (CONTINUED) CARDIUM N SOLN	786	0.65	0.15	434 ^b			41		
CARDIUM B.N & VIK A TOTAL	1 146	0.70	0.15	709 ^b	673 ^b	36	41	1 469	
GLAUCONITIC B	580	0.88	0.10	459	377	82	40	3 262	256
PEK 02-043-10	501	0.75	0.20	301		301	39	11 601	200
OTHER	8 548			5 798	784	5 014		196 370	
TOTAL-FERRIER	46 236			24 507	11 133	13 374		543 112	
FERRYBANK 044-27W4 BELLY RIVER C ASSOC	2 026	0.80	0.05	1 540 ^b			37		7 373
BELLY RIVER C SOLN	627	0.44	0.50	138 ^b			37		
BELLY RIVER G	4	0.60	0.05	2 ^b			36		64
BELLY RIVER H	5	0.60	0.05	3 ^b			36		64
BELLY RIVER C, G & H TOTAL	2 662	0.70	0.10	1 683 ^b	981 ^b	702	37	26 030	
VIKING A	1 307	0.60	0.20	627	218	409	46	18 777	8 392
GLAUCONITIC A	1 429	0.70	0.10	900	648	252	39	9 941	5 838
LOWER MANNVILLE I SOLN	12	0.65	0.10	7 ^b			40		
LOWER MANNVILLE I ASSOC	689	0.80	0.10	496 ^b	411 ^b	92	40	3 677	612
LOWER MANNVILLE F	432	0.85	0.10	330	265	65	40	2 586	502
LOWER MANNVILLE S	1 320	0.85	0.10	1 010	369	641	40	25 384	2 675
LOWER MANNVILLE A		0.90	0.10				40		1 190
LOWER MANNVILLE B		0.90	0.10				40		1 214
LOWER MANNVILLE A & B TOTAL	800	0.90	0.10	648	612	36	40	1 427	
BANFF A	380	0.90	0.10	308	290	18	40	717	647
BANFF B	433	0.85	0.10	331	309	22	40	880	703
OTHER	3 482			2 350	441	1 909		75 430	
TOTAL-FERRYBANK	12 946			8 690	4 544	4 146		164 849	
FIGURE LAKE 063-18W4 D-2 D	398	0.80	0.05	302	36	266	37	9 882	600
UPPER MANNVILLE B		0.65	0.04				37		735
UPPER MANNVILLE Y		0.75	0.05				38		179
UPPER MANNVILLE CC		0.70	0.05				38		305
D-2 B		0.50	0.05				37		9 082
UPPER MANN B,Y,CC&D-2 TOTAL	2 515	0.65	0.05	1 570	1 555	15	37	561	
OTHER	5 573			3 643	1 389	2 254		84 087	
TOTAL-FIGURE LAKE	8 486			5 515	2 980	2 535		94 530	
FINDLEY 057-06W6 NORD 057-06	624	0.85	0.15	451		451	38	16 944	528
OTHER	1 823			1 245		1 245		47 054	
TOTAL-FINDLEY	2 447			1 696		1 696		63 998	
FIR 058-21W5 GETHING A	1 032	0.75	0.10	697		697	39	27 002	2 443
CADM 36-059-22	499	0.85	0.10	382		382	39	14 982	150
TRIASSIC C	9 861	0.80	0.10	7 100	3 622	3 478	38	132 720	17 946
D-3 A	3 556	0.45	0.25	1 200	904	296	37	10 996	1 113
D-3 B	921	0.85	0.25	587	26	561	37	20 841	128
D-3 C	4 214	0.70	0.20	2 360	144	2 216	37	82 768	128
LED 30-058-20	607	0.75	0.20	364		364	38	13 697	200
OTHER	3 172			2 083	6	2 077		81 217	
TOTAL-FIR	23 862			14 773	4 702	10 071		384 223	
FIRE 113-07W6 TOTAL-FIRE	399			250	41	209		7 941	
FISHER 068-05W4 GRAND RAPIDS C	773	0.60	0.05	441		441	37	16 396	6 300
GRAND RAPIDS D	1 052	0.50	0.05	500		500	37	18 555	7 374
CLEARWATER B	1 229	0.80	0.05	934	3	931	37	34 903	4 784
OTHER	4 267			2 331	19	2 312		84 881	
TOTAL-FISHER	7 321			4 206	22	4 184		154 735	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
						0.75		1955	1989	PRODUCTION DECLINE SOLN MU-CARDIUM B.N & VIK A. CONC PR
7.16	0.080	0.60	33 880	90	0.989	0.66	2 725.4	1955	1989	NORCEN TCPL A&S CONCURRENT PRODUCTION
12.80	0.110	0.80	24 360	78	0.887	0.68	2 914.2	1984	1989	HOME ESSO PRODUCTION DECLINE
								1966	1982	PROGAS AMERADA
3.95	0.202	0.55	5 600	35	0.904	0.60	909.2	1955	1991	MATERIAL BALANCE CONC PROD. SOLN MU - BELLY R C.G&H
						0.60		1955	1991	MATERIAL BALANCE CONC PROD. SOLN MU - BELLY R C.G&H
2.00	0.180	0.45	3 400	26	0.936	0.59	786.8	1986	1989	
1.90	0.200	0.45	4 110	27	0.924	0.59	857.9	1986	1989	
								1955	1991	PANCDN NORCEN CANST PANALTA TCPL CONCURRENT PRODUCTION
1.89	0.132	0.55	8 060	45	0.635	0.96	1 440.3	1955	1981	PANALTA TCPL
4.45	0.139	0.50	11 940	64	0.835	0.68	1 562.3	1954	1990	UNIGAS NOVER PANCDN BVI SCEPTRE PROGAS POCC PANALTA TCPL A&S PART OF GLAUC POOL NO.3 PRODUCTION DECLINE
						0.68		1981	1992	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
4.79	0.191	0.70	12 490	65	0.828	0.68	1 667.4	1981	1992	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
2.39	0.160	0.80	12 710	45	0.775	0.70	1 587.7	1970	1984	TCPL MATERIAL BALANCE NONCOMMERCIAL OIL
3.25	0.163	0.70	12 450	63	0.792	0.78	1 633.2	1980	1991	NOVER PANCDN SCEPTRE PANALTA TCPL A&S
2.36	0.205	0.75	13 340	63	0.803	0.73	1 710.3	1971	1992	PRODUCTION DECLINE
2.25	0.213	0.70	13 340	63	0.803	0.73	1 731.1	1971	1992	PRODUCTION DECLINE
								1971	1992	PANALTA TCPL
3.23	0.114	0.70	12 790	63	0.828	0.67	1 679.3	1958	1990	TCPL MATERIAL BALANCE
8.41	0.143	0.45	12 760	63	0.823	0.68	1 584.8	1955	1991	TCPL PRODUCTION DECLINE
15.35	0.200	0.65	3 220	21	0.938	0.57	595.0	1979	1992	BVI PARAMNT
3.75	0.269	0.65	3 540	19	0.929	0.56	543.7	1958	1988	PRODUCTION DECLINE
1.60	0.259	0.70	3 410	19	0.931	0.57	534.5	1987	1988	PRODUCTION DECLINE
1.62	0.310	0.75	3 410	19	0.931	0.57	542.3	1987	1988	PRODUCTION DECLINE
8.43	0.166	0.60	3 540	24	0.935	0.56	677.1	1955	1990	PRODUCTION DECLINE
								1955	1988	KANNGAZ SCEPTRE BVI RENENER TCPL ESSO
7.82	0.112	0.55	28 530	77	0.945	0.61	2 375.8	1975	1988	HOME CANOXY BER TOP/BASE TVD
3.52	0.106	0.70	18 130	92	0.873	0.71	2 642.8	1972	1981	TCPL
12.20	0.190	0.80	19 450	84	0.863	0.71	2 603.9	1972	1992	TCPL
2.19	0.105	0.80	22 940	100	0.937	0.61	2 651.7	1972	1991	GULF PROGAS PANALTA MOBIL TCPL A&S
										MATERIAL BALANCE DEEP CUT SL
24.74	0.065	0.85	30 710	117	0.958	0.69	3 345.6	1974	1985	UNIGAS PROGAS PANALTA TCPL
42.00	0.080	0.90	31 170	115	0.960	0.69	3 372.8	1980	1989	PANALTA
197.03	0.082	0.85	33 380	121	1.005	0.66	3 518.5	1988	1989	A&S GULF
21.50	0.070	0.90	27 120	99	0.925	0.68	3 417.6	1991	1992	TCPL
3.12	0.313	0.75	1 640	15	0.967	0.56	328.0	1986	1991	HUSKY AEC A&S
3.89	0.300	0.75	1 620	19	0.968	0.56	320.2	1986	1991	HUSKY AEC A&S
4.66	0.300	0.70	2 500	13	0.947	0.56	438.7	1986	1991	A&S AEC HUSKY

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
FLAT 066-20W4									
WABISKAW-WABAMUN A		0.75	0.05				37		4 109
WABISKAW-WABAMUN A		0.75	0.05				37		6 881
WABISKAW-WABAMUN A TOTAL	4 912	0.75	0.05	3 500	2 446	1 054	37	38 893	
WABISKAW-WABAMUN B		0.65	0.05				37		3 044
WABISKAW-WABAMUN B		0.65	0.05				37		1 506
WABISKAW-WABAMUN B TOTAL	809	0.65	0.05	500	379	121	37	4 529	
OTHER	2 128			1 379	349	1 030		38 176	
TOTAL-FLAT	7 849			5 379	3 174	2 205		81 598	
FLOOD 085-25W5									
TOTAL-FLOOD	279			175	95	80		2 977	
FLUME 062-05W5									
TOTAL-FLUME	38			28		28		1 095	
FOLEY LAKE (SA) 066-06W5									
TOTAL-FOLEY LAKE	113			86		86		3 324	
FOREMOST 006-11W4									
BOW ISLAND	566	0.93	0.05	500	437	63	36	2 285	6 038
OTHER	62			39	6	33		1 146	
TOTAL-FOREMOST	628			539	443	96		3 431	
FORESTBURG 042-15W4									
UPPER MANNVILLE R	821	0.75	0.05	585	132	453	37	16 725	1 450
OTHER	3 904			2 536	705	1 831		67 448	
TOTAL-FORESTBURG	4 725			3 121	837	2 284		84 173	
FORSYTH 062-06W4									
TOTAL-FORSYTH	1 767			1 119	152	967		35 913	
FORT ASSINIBOINE 062-04W5									
TOTAL-FORT ASSINIBOINE	409			283	46	237		9 150	
FORT KENT 061-04W4									
TOTAL-FORT KENT	2 461			1 532	875	657		24 454	
FORT SASKATCHEWAN 054-22W4									
UPPER VIKING A		0.87	0.03				36		3 055
MIDDLE VIKING A		0.87	0.03				36		12 842
U VIK A & M VIK A TOTAL	9 124	0.85	0.05	7 700	7 608	92	36	3 345	
OTHER	331			219	26	193		7 171	
TOTAL-FORT SASKATCHEWAN	9 455			7 919	7 634	285		10 516	
FORTY MILE 007-09W4									
LOWER MANNVILLE E	1 943	0.65	0.05	1 200	1 142	58	36	2 109	6 680
OTHER	747			522	139	383		13 769	
TOTAL-FORTY MILE	2 690			1 722	1 281	441		15 878	
FOSTER (SA) 033-27W4									
TOTAL-FOSTER	355			241		241		9 485	
FOURTH 082-09W6									
TOTAL-FOURTH	1 094			715	44	671		25 371	
FOX CREEK 061-18W5									
VIKING A	4 519	0.90	0.10	3 660	2 933	727	39	28 535	6 794
GETHING D	535	0.65	0.05	331 ^b			38		300
GETHING H ASSOC	6 802	0.65	0.05	4 200 ^b			39		9 926
GETHING H SOLN	39	0.65	0.30	18 ^b			39		
GETHING D & H TOTAL	7 376	0.65	0.05	4 549 ^b	966 ^b	3 583	39	139 307	
BEAVERHILL LAKE A SOLN	901	0.46	0.25	311	218	93	42	3 946	
OTHER	2 286			1 544	221	1 323		51 250	
TOTAL-FOX CREEK	15 082			10 064	4 338	5 726		223 038	
FRANCIS 073-22W4									
WABAMUN A	516	0.65	0.05	318		318	37	11 776	440

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.51 14.17	0.215 0.230	0.65 0.35	3 340 3 380	27 27	0.939 0.939	0.57 0.57	561.3 565.0	1956 1956 1956	1991 1991 1991	PRODUCTION DECLINE PRODUCTION DECLINE TCPL
3.17 6.74	0.224 0.179	0.65 0.20	3 340 3 380	27 27	0.940 0.939	0.58 0.58	572.4 598.3	1967 1967 1967	1991 1991 1991	PRODUCTION DECLINE PRODUCTION DECLINE TCPL TARRAGN CNRL
1.52	0.240	0.70	4 830	27	0.918	0.57	670.3	1923	1981	CRESTAR ALT/ROA CWNGNUL MATERIAL BALANCE
3.91	0.242	0.75	7 610	35	0.881	0.59	1 050.1	1982	1991	TCPL
0.80 6.43	0.280 0.213	0.50 0.60	5 550 5 550	33 33	0.905 0.905	0.60 0.60	731.7 791.6	1917 1917 1917	1990 1990 1990	PART OF VIK POOL NO.2 MATERIAL BALANCE PART OF VIK POOL NO.2 MATERIAL BALANCE GARDNER NORCEN CWNGNUL PART OF VIK POOL NO.2
2.24	0.195	0.60	10 070	30	0.850	0.58	932.9	1965	1992	POCO KANNGAZ CANST SUMMIT BVI PANALTA NCMI CWNGNUL TCPL PRODUCTION DECLINE
3.67 11.70 5.58	0.146 0.145 0.151	0.60 0.60 0.60	10 160 14 410 14 410	60 28 75	0.846 0.777 0.863	0.67 0.62 0.65	1 716.1 1 972.9 1 938.9	1957 1967 1957	1989 1991 1991	TCPL A&S MATERIAL BALANCE PART OF GETHING POOL NO.1 PART OF GETHING POOL NO.1 PRODUCTION DECLINE CONC PROD. SOLN MU-GETH D&H PART OF GETHING POOL NO.1 PRODUCTION DECLINE CONC PROD. SOLN MU-GETH D&H POCO TCPL PROGAS A&S PART OF GETHING POOL NO.1 CONCURRENT PRODUCTION A&S
						0.84		1957 1975	1991 1991	
23.75	0.250	0.80	2 420	20	0.952	0.57	548.7	1965	1983	SASKOIL BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
FRANCIS 073-22W4 (CONTINUED)									
OTHER	453			290		290		10 723	
TOTAL-FRANCIS	969			608		608		22 499	
FRANCIS SOUTH 072-21W4									
TOTAL-FRANCIS SOUTH	189			111		111		3 873	
FRENCH (SA) 064-01W5									
TOTAL-FRENCH	181			125		125		4 692	
FURNESS (SA) 048-23W4									
TOTAL-FURNESS	107			74		74		2 850	
GADSBY 037-19W4									
BELLY RIVER J	2 623	0.65	0.05	1 620	889	731	37	26 923	11 567
OTHER	1 920			1 273	439	834		30 928	
TOTAL-GADSBY	4 543			2 893	1 328	1 565		57 851	
GAGE 082-03W6									
TOTAL-GAGE	605			415		415		15 615	
GALAHAD 040-15W4									
TOTAL-GALAHAD	1 152			739	2	737		25 262	
GAMBLER 070-21W4									
TOTAL-GAMBLER	1 705			1 094	321	773		28 842	
GARDEN PLAINS 033-13W4									
SECOND WHITE SPECKS E	1 287	0.65	0.05	794	7	787	37	29 017	4 352
OTHER	1 884			1 282	421	861		32 419	
TOTAL-GARDEN PLAINS	3 171			2 076	428	1 648		61 436	
GARDNER (SA) 090-18W5									
TOTAL-GARDNER	31			22		22		800	
GARRINGTON 034-04W5									
VIKING P SOLN	15	0.65	0.10	9b			40		
VIKING P ASSOC	554	0.85	0.10	424b	430b	3	40	121	732
VIKING A ASSOC	401	0.70	0.10	253b			39		4 344
VIKING A SOLN	741	0.65	0.15	410b			39		
VIKING A ASSOC	17	0.60	0.10	9b			39		200
VIKING A ASSOC	15	0.55	0.10	7b			39		200
VIKING A ASSOC	11	0.55	0.10	5b			39		200
VIKING A ASSOC	15	0.55	0.10	7b			39		200
VIKING A ASSOC	18	0.60	0.10	10b			39		200
VIKING A TOTAL	1 218	0.65	0.15	701b	396b	305	39	11 971	128
MANNVILLE B SOLN	4 750	0.80	0.25	2 850	2 517	333	42	14 006	
MANNVILLE D SOLN	289	0.65	0.25	141b			41		
MANNVILLE D ASSOC	962	0.80	0.10	693b	771b	63	41	2 575	2 345
MANNVILLE R	200	0.75	0.10	135			40		250
LOWER MANNVILLE ZZ	817	0.85	0.15	590			41		651
MANN R & L MANN ZZ TOTAL	1 017	0.85	0.15	725	23	702	41	28 550	
ELKTON E	3 216	0.90	0.15	2 460	1 930	530	40	21 333	1 162
WABAMUN A SOLN	1 753	0.65	0.33	763b			39		
WABAMUN A ASSOC	8 709	0.85	0.33	4 960b	4 725b	998	39	38 503	13 888
LEDUC D SOLN	48	0.65	0.40	19b			40		
LEDUC D ASSOC	769	0.80	0.25	461b	25b	455	40	18 064	128
LEDUC A	540	0.80	0.10	389	100	289	38	10 898	400
LEDUC F	837	0.80	0.20	536		536	40	21 177	200
OTHER	12 992			7 704	1 828	5 876		237 413	
TOTAL-GARRINGTON	37 669			22 835	12 745	10 090		404 611	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
4.92	0.253	0.60	3 030	27	0.946	0.57	618.9	1951	1992	SHAMAN TCPL SHERRIT CNWE CANST CNRL SHELL HOME KANNGAZ UNIGAS ATCOR CWNGNUL POZO A&S PART OF BR POOL NO.3
3.41	0.140	0.50	5 970	31	0.903	0.57	832.0	1953	1992	CRESTAR UNIGAS NOVER POZO NORCEN TCPL RENENER PROGAS AMEAGLE PANALTA KANNGAZ CWNGNUL PART OF 2WS POOL NO.2
2.86	0.137	0.75	20 830	73	0.852	0.67	2 360.3	1979	1991	GARDNER HOME ESSO NORCEN MATERIAL BALANCE CONCURRENT PRODUCTION
1.79	0.089	0.65	8 920	58	0.859	0.67	1 996.6	1977	1991	GARDNER HOME ESSO NORCEN MATERIAL BALANCE CONCURRENT PRODUCTION
1.82	0.084	0.65	8 920	63	0.866	0.67	2 132.1	1977	1991	GARDNER HOME ESSO NORCEN MATERIAL BALANCE CONCURRENT PRODUCTION
1.70	0.080	0.75	7 660	61	0.878	0.67	2 127.4	1977	1988	ASSIGNED WELL 14-32-034-03W5M
1.14	0.092	0.75	7 660	65	0.884	0.67	2 170.6	1977	1988	ASSIGNED WELL 06-30-035-03W5M
2.32	0.067	0.65	7 660	64	0.882	0.67	2 148.5	1977	1988	ASSIGNED WELL 10-13-035-04W5M
2.66	0.102	0.65	8 510	74	0.886	0.67	2 104.6	1977	1987	ASSIGNED WELL 01-25-035-04W5M
								1977	1991	ASSIGNED WELL 06-20-035-03W5M
						0.77		1963	1991	SCEPTRE NORCEN HOME PROGAS PANALTA TCPL
						0.72		1968	1988	DEKALB ESSO CONCURRENT PRODUCTION
2.00	0.109	0.75	27 750	78	0.896	0.72	2 437.8	1968	1988	AMERADA SCEPTRE CWNGNUL TCPL A&S
3.60	0.129	0.85	20 550	73	0.834	0.71	2 505.9	1979	1989	NORCEN HOME PROGAS PANALTA DIRECT TCPL
5.73	0.120	0.85	21 300	74	0.813	0.77	2 527.2	1979	1992	ESSO GULF CONCURRENT PRODUCTION
6.88	0.122	0.85	24 530	85	0.884	0.73	2 633.0	1983	1991	NORCEN HOME PROGAS PANALTA DIRECT TCPL
						0.77		1952	1985	ESSO GULF CONCURRENT PRODUCTION
8.47	0.045	0.80	24 720	74	0.856	0.77	2 642.0	1952	1985	NORCEN HOME PROGAS ESSO
45.00	0.068	0.85	25 510	89	0.868	0.77	2 966.3	1985	1990	PANCDN PROGAS AMOCO DIRECT ESSO GULF
13.95	0.056	0.85	26 200	108	0.962	0.64	3 183.4	1954	1991	MATERIAL BALANCE
35.50	0.070	0.90	20 590	93	0.855	0.78	3 136.8	1985	1989	PANCDN NORCEN TCPL MATERIAL BALANCE
										CONCURRENT PRODUCTION
										PANCDN NORCEN TCPL MATERIAL BALANCE
										CONCURRENT PRODUCTION
										GULF CONCURRENT PRODUCTION
										GULF CONCURRENT PRODUCTION
										TCPL HOME
										HOME TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
GARTH 064-06W4 TOTAL-GARTH	433			260	72	188		6 989	
GARTLEY 031-18W4 TOTAL-GARTLEY	456			299	154	145		5 531	
GATOR 118-03W6 TOTAL-GATOR	115			73		73		2 770	
GAYFORD 026-25W4 TOTAL-GAYFORD	1 446			859	497	362		13 403	
GENESEE 050-03W5 TOTAL-GENESEE	325			228	17	211		8 388	
GEORGE 082-05W6 KISKATINAW D OTHER TOTAL-GEORGE	856 552 1 408	0.82	0.10	632 385 1 017	399 28 427	233 357 590	39	9 036 13 388 22 424	2 334
GERE 062-08W5 TOTAL-GERE	110			74		74		2 866	
GERMAIN (SA) 085-22W4 TOTAL-GERMAIN	27			13		13		479	
GHOST PINE 031-22W4 UPPER MANNVILLE V SOLN UPPER MANNVILLE V ASSOC UPPER MANNVILLE O ASSOC UPPER MANNVILLE O SOLN UPPER MANNVILLE Y UPPER MANNVILLE FF UPPER MANN O.Y & FF TOTAL	144 287 664 20 5 862	0.65 0.80 0.80 0.65 0.75 0.75 0.75	0.10 0.05 0.10 0.10 0.10 0.10 0.10	85b 219b 478b 12b 4 073b	 116b 2 867b	 188 1 206	40 40 40 40 40 40 40	 7 441 48 071	444 1 129 6 935 8 320
UPPER MANNVILLE C UPPER MANNVILLE U UPPER MANNVILLE ZZZ LOWER MANNVILLE A ASSOC		0.75 0.85 0.85 0.75	0.10 0.10 0.10 0.10				40 39 40 40		2 351 936 467 368
LOWER MANNVILLE A SOLN	40	0.60	0.20	19b			40		
LOWER MANNVILLE H ASSOC U&L MANNVILLE MU. #1 TOTAL	 1 739	0.75 0.85	0.10 0.10	 1 319b	 1 267b	 52	40 40	 2 079	150
UPPER MANNVILLE H UPPER MANNVILLE P UPPER MANNVILLE YYY UPPER MANNVILLE B2B LOWER MANNVILLE R LOWER MANNVILLE EE U&L MANNVILLE MU.NO.2 TOTAL UPPER MANNVILLE O2O	 24 5 504 2 014	0.75 0.70 0.75 0.75 0.75 0.75 0.75 0.80	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	 16 3 715 1 450	 3 001 901	 714 549	39 40 40 40 40 37 40 40	 28 267 21 944	1 366 6 157 2 806 150 150 150 3 907
LOWER MANNVILLE B SOLN	25	0.60	0.10	14b			40		
LOWER MANNVILLE B ASSOC	494	0.80	0.10	356b	327b	43	40	1 729	902
LOWER MANNVILLE F PEKISKO G OTHER TOTAL-GHOST PINE	606 783 10 914 28 372	0.90 0.92	0.10 0.04	491 691 6 836 19 249	444 663 3 420 13 006	47 28 3 416 6 243	40 39	1 868 1 103 133 701 246 203	783 632
GILBY 041-03W5 UPPER MANNVILLE E UPPER MANNVILLE G UPPER MANNVILLE J ASSOC UPPER MANNVILLE J SOLN UPPER MANNVILLE J TOTAL BASAL MANNVILLE D BASAL MANNVILLE GG	527 624 674 38 712 1 911 523	0.80 0.85 0.75 0.65 0.75 0.80 0.65	0.15 0.10 0.10 0.10 0.10 0.15 0.10	358 477 455 23 478 1 300 306	6 24 1 121 234	352 453 478 179 72	40 40 40 40 40 41 41	14 020 18 034 18 905 7 309 2 935	150 300 677
BASAL MANNVILLE A JURASSIC D		0.85 0.85	0.15 0.15				40 41		1 875 861

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.10	0.143	0.75	14 630	61	0.834	0.65	1 460.8	1973	1992	TCPL A&S MATERIAL BALANCE
3.64	0.214	0.75	10 410	55	0.817	0.71	1 486.2	1954	1987	TCPL CONCURRENT PRODUCTION, OIL DEPLETED
4.54	0.184	0.65	10 340	55	0.828	0.71	1 466.8	1954	1987	TCPL CONCURRENT PRODUCTION, OIL DEPLETED
						0.68		1967	1987	CONCURRENT PRODUCTION
2.26	0.166	0.60	10 570	57	0.833	0.68	1 502.4	1967	1987	CONCURRENT PRODUCTION
2.56	0.201	0.65	10 570	57	0.833	0.68	1 490.5	1966	1987	MATERIAL BALANCE
								1961	1987	MATERIAL BALANCE
								1961	1987	UNIGAS NORCEN TCPL KANNGAZ OPINAC SCEPTRE
1.75	0.177	0.70	10 640	50	0.807	0.68	1 395.9	1964	1987	VECTOR CONCURRENT PRODUCTION
5.79	0.196	0.65	10 640	50	0.827	0.66	1 415.7	1964	1987	PRODUCTION DECLINE
1.10	0.179	0.50	10 640	50	0.807	0.69	1 420.4	1965	1987	PRODUCTION DECLINE CONCURRENT PRODUCTION
1.43	0.180	0.45	10 620	52	0.826	0.67	1 421.0	1965	1989	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.67		1965	1989	MATERIAL BALANCE SOLN MU - UM C.U.ZZZ&LM
0.61	0.160	0.50	10 620	45	0.808	0.67	1 456.6	1971	1983	A&H, CONC PROD
								1964	1987	MATERIAL BALANCE SOLN MU - UM C.U.ZZZ&LM
1.49	0.205	0.70	10 450	50	0.829	0.66	1 377.5	1965	1992	A&H, CONC PROD
2.67	0.202	0.65	10 450	50	0.816	0.68	1 389.1	1964	1987	MATERIAL BALANCE
1.56	0.172	0.60	10 450	50	0.817	0.68	1 411.2	1952	1992	TCPL CONCURRENT PRODUCTION
1.83	0.260	0.70	9 910	49	0.806	0.70	1 409.1	1952	1992	PRODUCTION DECLINE
4.50	0.130	0.50	10 350	45	0.810	0.67	1 404.5	1966	1992	PRODUCTION DECLINE NON-COMMERCIAL OIL
1.22	0.220	0.70	10 340	26	0.794	0.66	1 357.0	1966	1992	PRODUCTION DECLINE
4.38	0.172	0.70	9 590	58	0.843	0.68	1 503.1	1966	1992	PRODUCTION DECLINE
						0.68		1952	1992	TCPL CONCURRENT PRODUCTION
1.61	0.185	0.60	10 730	51	0.813	0.68	1 453.8	1964	1992	OPINAC PANCDN KANNGAZ CNG RENENER PROGAS
5.34	0.200	0.55	10 650	52	0.826	0.66	1 471.2	1959	1988	PANALTA MOBIL GULF A&S TCPL EMI
6.07	0.070	0.80	10 170	49	0.828	0.64	1 390.5	1962	1992	TCPL PRODUCTION DECLINE CONCURRENT
										PRODUCTION
										TCPL PRODUCTION DECLINE CONCURRENT
9.40	0.270	0.85	15 860	70	0.808	0.73	2 118.2	1977	1989	PRODUCTION
17.00	0.106	0.65	17 900	75	0.824	0.73	2 091.3	1962	1987	TCPL PRODUCTION DECLINE
7.04	0.117	0.70	15 550	55	0.781	0.72	1 829.6	1992	1991	TCPL PRODUCTION DECLINE
						0.72		1992	1992	UNIGAS TCPL PRODUCTION DECLINE
								1992	1992	
7.62	0.121	0.80	15 510	70	0.821	0.72	2 054.9	1962	1987	INVRNS TCPL KANNGAZ PRODUCTION DECLINE
1.95	0.127	0.75	13 170	68	0.816	0.75	2 114.8	1977	1991	SCEPTRE A&S TCPL PRODUCTION DECLINE OIL
14.51	0.110	0.70	15 980	72	0.838	0.70	2 138.3	1956	1986	POOL DEPLETED
5.48	0.169	0.75	15 980	72	0.831	0.71	2 179.3	1956	1986	MATERIAL BALANCE
										MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
GILBY 041-03W5 (CONTINUED)									
BSL MANN A & JUR D TOTAL	9 688	0.85	0.15	7 000	4 758	2 242	41	90 846	75
UPPER MANNVILLE A		0.75	0.10				40		3 271
BASAL MANNVILLE H		0.85	0.10				41		150
BASAL MANNVILLE L ASSOC		0.85	0.10				40		150
BASAL MANNVILLE NN	74	0.60	0.10	40b			39		7 066
JURASSIC-RUNDLE		0.85	0.10				41		9 198
JURASSIC-RUNDLE ASSOC		0.85	0.10				41		
JURASSIC-RUNDLE SOLN	111	0.60	0.10	60b			41		
RUNDLE A		0.75	0.10				39		400
MANN, JUR & RUN MU#1 TOTAL	26 516	0.85	0.10	20 260b	18 262b	1 998			
JURASSIC B SOLN	1 061	0.31	0.20	263b			41		
JURASSIC B ASSOC	493	0.80	0.15	335b	386b	212	41	8 643	484
JURASSIC N	555	0.85	0.10	425	395	30	41	1 223	200
RUNDLE H	842	0.85	0.15	609	1	608	40	24 454	1 277
OTHER	8 923			5 341	1 266	4 075		161 429	
TOTAL-GILBY	52 375			37 152	26 453	10 699		347 798	
GILWOOD 073-18W5									
TOTAL-GILWOOD	394			235	50	185		6 888	
GIROUX LAKE 066-21W5									
TOTAL-GIROUX LAKE	723			460	16	444		17 034	
GIROUXVILLE (SA) 077-23W5									
TOTAL-GIROUXVILLE	59			42		42		1 573	
GIROUXVILLE EAST 077-22W5									
TOTAL-GIROUXVILLE EAST	469			327	106	221		8 219	
GLACIER 076-12W6									
TOTAL-GLACIER	444			323		323		12 070	
GLADYS 020-27W4									
WABAMUN A	1 529	0.50	0.20	612		612	37	22 834	2 983
OTHER	1 072			629	91	538		20 860	
TOTAL-GLADYS	2 601			1 241	91	1 150		43 694	
GLEICHEN 022-22W4									
MEDICINE HAT A	1 048	0.70	0.03	712			36		23 145
SE ALTA GAS SYS(MU) TOTAL	1 048	0.70	0.05	712	274	438	36	15 974	
GLAUCONITIC J	491	0.80	0.10	354			39		1 125
LOWER MANNVILLE B	21	0.75	0.10	14			39		150
GLAUC J & L MANN B TOTAL	512	0.80	0.10	368	316	52	39	2 039	
OTHER	248			168	88	80		3 042	
TOTAL-GLEICHEN	1 808			1 248	678	570		21 055	
GLEN PARK 049-27W4									
TOTAL-GLEN PARK	1 328			863	291	572		22 215	
GLENEVIS 055-04W5									
TOTAL-GLENEVIS	738			521	115	406		15 796	
GLOVER 075-09W4									
TOTAL-GLOVER	156			79		79		2 914	
GODIN 081-01W5									
WABAMUN A	642	0.70	0.05	427		427	37	15 731	2 543
OTHER	51			31		31		1 163	
TOTAL-GODIN	693			458		458		16 894	
GOLD CREEK 067-05W6									
BLUESKY A	1 116	0.90	0.20	803		803	40	31 935	2 758
BLUESKY-GETHING A	2 256	0.70	0.05	1 500	1 341	159	40	6 352	7 673
CADOMIN B	689	0.70	0.10	434	175	259	40	10 259	812
WABAMUN A	3 600	0.50	0.35	1 170	813	357	39	13 841	1 401
WAB 34-069-05	1 021	0.75	0.15	651		651	36	23 677	400
WAB 34-069-05	511	0.70	0.15	304		304	37	11 382	200
OTHER	3 119			2 021	142	1 879		73 899	
TOTAL-GOLD CREEK	12 312			6 883	2 471	4 412		171 345	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.80	0.120	0.70	17 060	62	0.788	0.74	2 029.2	1956	1986	TCPL
4.80	0.122	0.70	15 870	70	0.814	0.74	2 110.6	1959	1987	MATERIAL BALANCE
1.10	0.120	0.70	15 310	73	0.775	0.83	2 045.8	1956	1987	MATERIAL BALANCE
3.60	0.180	0.80	9 660	67	0.850	0.72	1 987.6	1959	1991	MATERIAL BALANCE
5.24	0.120	0.65	16 060	71	0.818	0.74	2 117.1	1956	1987	MATERIAL BALANCE
13.88	0.079	0.75	16 060	71	0.818	0.74	2 088.2	1955	1992	MATERIAL BALANCE CONCURRENT PRODUCTION
						0.74		1955	1992	MATERIAL BALANCE CONCURRENT PRODUCTION
6.75	0.060	0.75	16 490	76	0.839	0.71	2 161.4	1956	1987	MATERIAL BALANCE
								1955	1991	INVRNS TCPL PANCDN KANNGAZ A&S CONCURRENT PRODUCTION
4.98	0.159	0.80	15 890	71	0.817	0.74	2 131.3	1958	1992	CRESTAR TCPL A&S CONCURRENT PRODUCTION
10.36	0.150	0.70	15 400	70	0.825	0.71	2 121.9	1958	1992	CRESTAR TCPL A&S CONCURRENT PRODUCTION
6.07	0.080	0.75	19 360	83	0.854	0.73	2 225.2	1953	1989	TCPL MATERIAL BALANCE
								1963	1991	NOVER NORCEN UNIGAS PROGAS
5.03	0.052	0.85	22 900	66	0.833	0.79	2 522.0	1961	1989	KANNGAZ PANCDN ESSO SCEPTRE EMI TCPL BER
1.05	0.170	0.55	4 310	17	0.916	0.56	807.7	1904	1991	PART OF MED HAT POOL NO.1
1.22	0.181	0.75	10 830	43	0.817	0.65	1 348.4	1904	1988	TCPL PANCDN PROGAS PANALTA HUSKY
2.10	0.160	0.55	11 090	43	0.821	0.64	1 371.9	1963	1992	PRODUCTION DECLINE
								1976	1992	PRODUCTION DECLINE
								1963	1992	
10.63	0.145	0.70	2 300	20	0.954	0.58	478.9	1975	1991	AMEAGLE BER
3.26	0.111	0.70	16 250	73	0.836	0.68	1 734.9	1981	1991	PROGAS DEEP CUT SL
2.32	0.107	0.65	22 100	70	0.857	0.66	2 150.7	1964	1987	AMEAGLE PROGAS A&S MATERIAL BALANCE
6.69	0.090	0.70	19 750	64	0.828	0.68	2 106.0	1966	1975	
18.24	0.070	0.85	35 600	99	0.975	1.11	3 323.5	1964	1987	A&S PRODUCTION DECLINE
12.05	0.101	0.85	33 870	110	1.019	0.69	3 188.9	1980	1982	PROGAS
12.00	0.100	0.85	34 180	111	1.011	0.70	3 233.3	1980	1982	PROGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
GOLDEN 086-15W5 TOTAL-GOLDEN	205			64	21	43		1 591	
GOLDEN SPIKE 051-27W4									
D-1 A	920	0.85	0.10	704	420	284	39	11 093	438
D-3 A SOLN	4 767	0.82	0.45	2 150 ^b			42		
D-3 A ASSOC		0.90	0.10		1 487 ^b	663	42	28 045	
OTHER	2 464			1 359	554	805		31 594	
TOTAL-GOLDEN SPIKE	8 151			4 213	2 461	1 752		70 732	
GOODFISH (SA) 091-09W5 TOTAL-GOODFISH	61			38		38		1 415	
GOODRIDGE 061-02W5 TOTAL-GOODRIDGE	543			361	73	288		10 963	
GOODWIN 059-13W5									
JURASSIC A	688	0.80	0.10	495		495	38	18 602	1 289
OTHER	616			377	47	330		13 062	
TOTAL-GOODWIN	1 304			872	47	825		31 664	
GOOSE RIVER 067-18W5									
VIKING A	438	0.85	0.05	353	39	314	37	11 703	2 356
BEAVERHILL LAKE A SOLN	2 079	0.43	0.40	536 ^b			41		
BEAVERHILL LAKE A ASSOC		0.80	0.10		452 ^b	84	41	3 485	
OTHER	22			13		13		481	
TOTAL-GOOSE RIVER	2 539			902	491	411		15 669	
GOPHER (SA) 081-19W4 TOTAL-GOPHER	38			18		18		639	
GORDONDALE 079-10W6									
PEACE RIVER	989	0.85	0.05	799			39		3 717
NOTIKEWIN B	102	0.75	0.05	73			39		200
GETHING A	811	0.75	0.03	590			39		3 176
PEACE RIV,NOT B&GET A TOTAL	1 902	0.80	0.05	1 462	1 425	37	39	1 432	
GETHING B	515	0.67	0.05	328	328	< 1	38		150
HALFWAY C	89	0.80	0.10	64			39		315
DOIG A	704	0.85	0.10	538			40		1 340
HALFWAY C & DOIG A TOTAL	793	0.85	0.10	602	13	589	40	23 554	
KISKATINAW B		0.78	0.05				38		383
KISKATINAW B		0.78	0.05				38		1 699
KISKATINAW B TOTAL	1 956	0.80	0.05	1 450	1 290	160	38	6 018	
OTHER	4 042			2 857	250	2 607		100 415	
TOTAL-GORDONDALE	9 208			6 699	3 306	3 393		131 419	
GRAHAM 079-04W4									
MCMURRAY B	848	0.50	0.05	403			37		3 031
MCMURRAY E	5	0.50	0.05	3			37		394
MCMURRAY B & E TOTAL	853	0.50	0.05	406	282	124	37	4 592	
OTHER	649			347	169	178		6 531	
TOTAL-GRAHAM	1 502			753	451	302		11 123	
GRAINDALE 026-01W4 TOTAL-GRAINDALE	349			237	11	226		8 337	
GRAND FORKS 011-13W4 TOTAL-GRAND FORKS	2 510			1 107	190	917		31 235	
GRANDE CACHE (SA) 059-08W6 TOTAL-GRANDE CACHE	143			108		108		3 888	
GRANDE PRAIRIE 071-06W6 TOTAL-GRANDE PRAIRIE	3 570			1 491	90	1 401		55 468	
GRANLEA 008-10W4									
BOW ISLAND A	1 362	0.85	0.05	1 100	991	109	36	3 899	5 029
OTHER	215			153	64	89		3 219	
TOTAL-GRANLEA	1 577			1 253	1 055	198		7 118	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
6.15	0.175	0.75	10 890	53	0.833	0.69 0.86 0.86	1 385.4	1949 1949 1949	1970 1991 1991	ESSO MATERIAL BALANCE ESSO CWNGNUL CONC PROD. SEC GAS CAP. GAS CYCLING ESSO CWNGNUL CONC PROD. SEC GAS CAP. GAS CYCLING
4.99	0.200	0.40	14 030	69	0.872	0.65	1 784.1	1956	1975	CRESTAR TCPL BER
1.85	0.178	0.60	9 460	53	0.878	0.61 0.70 0.70	1 211.8	1964 1963 1963	1978 1991 1991	HOME PANALTA TCPL DRY GAS BREAKTHROUGH, GPP DRY GAS BREAKTHROUGH, GPP
4.48 7.40 3.38	0.189 0.145 0.120	0.70 0.65 0.70	4 300 7 240 10 150	33 44 42	0.915 0.887 0.845	0.61 0.58 0.60	834.8 959.2 1 296.6	1952 1957 1953 1952	1974 1982 1971 1974	MATERIAL BALANCE MATERIAL BALANCE POCO OPINAC ENCOR NORCEN NRTHSTR ATCOR SHELL PROGAS PANALTA
9.87 2.62 4.87	0.120 0.100 0.084	0.70 0.65 0.80	12 470 17 390 16 530	43 74 73	0.834 0.862 0.846	0.59 0.65 0.67	1 325.3 1 792.0 1 751.0	1957 1980 1980 1980	1989 1988 1990 1990	ENCOR CNRL PROGAS AMOCO MATERIAL BALANCE MATERIAL BALANCE ENCOR CNRL PANALTA PROGAS DIRECT HUSKY AMOCO
5.93 6.99	0.110 0.082	0.80 0.80	21 360 21 450	96 96	0.923 0.921	0.62 0.63	2 309.5 2 335.9	1981 1981 1981	1991 1991 1991	TCPL PANALTA SASKOIL
6.31 0.44	0.304 0.297	0.80 0.55	1 740 1 820	9 10	0.962 0.962	0.56 0.56	232.2 216.7	1976 1976 1976	1989 1989 1992	CANST BVI PANALTA CWNGNUL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
GRANOR 083-18W4									
GROSMONT A	1 660	0.40	0.05	631	506	125	37	4 614	22 178
OTHER	314			153	63	90		3 157	
TOTAL-GRANOR	1 974			784	569	215		7 771	
GRANUM 011-26W4									
TOTAL-GRANUM	431			252	63	189		7 295	
GRASSLAND 067-19W4									
WABAMUN-WINTERBURN A	536	0.70	0.05	356	88	268	37	9 932	2 489
OTHER	1 085			676	399	277		10 274	
TOTAL-GRASSLAND	1 621			1 032	487	545		20 206	
GREENCOURT 059-09W5									
JURASSIC A		0.70	0.10				40		5 871
PEKISKO A ASSOC		0.55	0.10				40		2 678
PEKISKO A SOLN	123	0.60	0.15	63 ^b			40		
JURASSIC A&PEKISKO A TOTAL	7 124	0.65	0.10	4 033 ^b	3 697 ^b	336	40	13 390	
OTHER	1 896			1 295	362	933		36 935	
TOTAL-GREENCOURT	9 020			5 328	4 059	1 269		50 325	
GREENCOURT EAST 059-06W5									
JURASSIC A ASSOC	698	0.75	0.10	472	360	112	39	4 376	998
OTHER	371			248	32	216		8 322	
TOTAL-GREENCOURT EAST	1 069			720	392	328		12 698	
GREGG (SA) 049-25W5									
TOTAL-GREGG	64			43		43		1 636	
GREY (SA) 045-19W5									
TOTAL-GREY	494			342		342		13 130	
GRIMSHAW 083-23W5									
TOTAL-GRIMSHAW	320			232	46	186		6 949	
GRIST 073-09W4									
GRAND RAPIDS A	824	0.55	0.05	430		430	37	16 043	10 889
OTHER	68			38		38		1 412	
TOTAL-GRIST	892			468		468		17 455	
GRIZZLY 062-22W5									
TOTAL-GRIZZLY	590			431	102	329		13 003	
GROAT 057-16W5									
LEDUC A	1 175	0.50	0.35	382	230	152	36	5 542	614
OTHER	1 033			527	62	465		17 929	
TOTAL-GROAT	2 208			909	292	617		23 471	
GROUARD 075-15W5									
TOTAL-GROUARD	84			60		60		2 259	
GROUSE 074-12W4									
TOTAL-GROUSE	280			146		146		5 421	
GULL (SA) 041-28W4									
TOTAL-GULL	49			32		32		1 237	
GUNN 055-03W5									
TOTAL-GUNN	421			276	80	196		7 575	
GUTAH 099-07W6									
TOTAL-GUTAH	47			31		31		1 146	
HACKETT 035-17W4									
UPPER MANNVILLE G	557	0.60	0.10	301	11	290	39	11 194	300
LOWER MANNVILLE A	796	0.80	0.09	580	559	21	39	809	977
OTHER	1 005			639	370	269		10 296	
TOTAL-HACKETT	2 358			1 520	940	580		22 299	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
14.77	0.176	0.40	1 250	13	0.974	0.57	315.8	1976	1991	PANALTA NCMI PRODUCTION DECLINE
4.50	0.255	0.65	2 910	29	0.949	0.56	546.9	1958	1986	RENENER PANALTA TCPL
6.29 10.78	0.162 0.128	0.55 0.75	11 680 11 210	60 63	0.839 0.851	0.67 0.66	1 444.5 1 456.2	1961 1961	1991 1992	PRODUCTION DECLINE DEEP CUT SL PRODUCTION DECLINE CONCURRENT PRODUCTION, DEEP CUT SL PRODUCTION DECLINE CONCURRENT PRODUCTION, DEEP CUT SL CRESTAR DART CNRL TCPL CONCURRENT PRODUCTION, DEEP CUT SL
2.72	0.190	0.65	10 720	50	0.829	0.66	1 227.8	1980	1991	UNIGAS DYNALTA HOME AMOCO PROGAS MATERIAL BALANCE OIL POOL DEPLETED
2.42	0.303	0.65	1 580	19	0.969	0.55	325.9	1979	1989	PCI A&S BER
12.80	0.075	0.85	26 890	104	0.865	0.94	3 054.8	1984	1989	A&S DEEP CUT SL
17.80 8.24	0.226 0.180	0.75 0.70	5 880 8 400	37 41	0.877 0.837	0.66 0.67	1 179.7 1 169.6	1988 1952	1989 1989	UNIGAS TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
HAIRY HILL 055-14W4									
COLONY W	1 900	0.72	0.05	1 300	1 097	203	37	7 515	1 781
COLONY X	954	0.65	0.05	589	548	41	37	1 534	1 941
D-2 B	581	0.75	0.05	414	413	1	37	37	1 046
CAMROSE A	682	0.85	0.05	551	535	16	37	597	4 004
OTHER	3 923			2 354	1 454	900		33 648	
TOTAL-HAIRY HILL	8 040			5 208	4 047	1 161		43 331	
HALKIRK 038-16W4									
UPPER MANNVILLE I ASSOC	306	0.70	0.10	193			38		348
UPPER MANNVILLE I SOLN	379	0.40	0.10	137			38		
UPPER MANNVILLE I ASSOC	23	0.70	0.10	14			38		150
UPPER MANNVILLE I TOTAL	708	0.55	0.10	344	84	260	38	9 826	
GLC SS 33-037-17	486	0.85	0.10	372		372	36	13 329	100
OTHER	2 071			1 314	303	1 011		37 464	
TOTAL-HALKIRK	3 265			2 030	387	1 643		60 619	
HALKIRK EAST 040-14W4									
TOTAL-HALKIRK EAST	1 336			824	78	746		27 241	
HALLIDAY 028-14W4									
TOTAL-HALLIDAY	238			166	41	125		4 662	
HAMBURG 095-11W6									
SLAVE POINT A	12 273	0.85	0.05	9 910	3 137	6 773	38 ^a	255 545	4 630
SLAVE POINT C	1 060	0.90	0.15	811		811	40	32 375	400
SL PT 096-12	693	0.90	0.10	562		562	40	22 491	736
OTHER	366			246		246		9 378	
TOTAL-HAMBURG	14 392			11 529	3 137	8 392		319 789	
HAMELIN CREEK 080-06W6									
TOTAL-HAMELIN CREEK	911			615	153	462		17 467	
HANGINGSTONE 084-09W4									
UPPER MANNVILLE A	2 915	0.65	0.05	1 800	446	1 354	37	50 166	30 715
OTHER	1 115			611		611		22 811	
TOTAL-HANGINGSTONE	4 030			2 411	446	1 965		72 977	
HANLAN 047-17W5									
CARDIUM A	555	0.90	0.15	425		425	41	17 217	200
CARD SD 03-046-17	485	0.90	0.05	415		415	39	16 347	200
WINTERBURN B	859	0.75	0.10	580	475	105	38	3 941	200
BEAVERHILL LAKE A	41 166	0.80	0.25	24 700	9 277	15 423	38	583 452	8 230
BEAVERHILL LAKE B	1 299	0.80	0.25	779	361	418	38	15 746	440
SW HL 12-046-17	727	0.80	0.25	437		437	38	16 497	200
OTHER	832			544		544		21 709	
TOTAL-HANLAN	45 923			27 880	10 113	17 767		674 909	
HANNA 031-14W4									
SECOND WHITE SPECKS E	594	0.65	0.05	367	1	366	37	13 440	1 024
UPPER MANNVILLE E	194	0.70	0.10	122			38		300
LOWER MANNVILLE F	940	0.80	0.10	677			39		2 807
U MANN E & L MANN F TOTAL	1 134	0.80	0.10	799	784	15	39	579	
OTHER	1 119			736	108	628		23 537	
TOTAL-HANNA	2 847			1 902	893	1 009		37 556	
HARDY 076-05W4									
MCMURRAY A	1 611	0.50	0.05	766			37		16 349
MCMURRAY D	52	0.50	0.05	25			37		397
MCMURRAY E	1 342	0.50	0.05	637			37		7 077
MCMURRAY J	111	0.55	0.05	58			37		1 181
MCMURRAY K	92	0.50	0.05	44			37		465
MCMURRAY L	132	0.50	0.05	63			37		2 252
MCMURRAY N	413	0.50	0.05	197			37		2 001
MCMURRAY O	1 255	0.75	0.05	894			37		3 964
MCMURRAY Q	80	0.50	0.05	38			37		538
MCMURRAY R	36	0.50	0.05	17			37		200

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
8.26 5.40	0.295 0.293	0.85 0.75	4 340 4 190	25 27	0.919 0.923	0.58 0.57	538.1 562.1	1954 1972	1985 1985	NORCEN HOME CWNGNUL TCPL MATERIAL BALANCE NORCEN HOME CWNGNUL TCPL PRODUCTION DECLINE
5.40 3.25	0.159 0.213	0.60 0.60	3 990 3 940	27 29	0.928 0.931	0.56 0.56	626.4 659.3	1964 1973	1990 1984	TCPL CWNGNUL PRODUCTION DECLINE POCO NORCEN CWNGNUL TCPL PRODUCTION DECLINE
5.41 1.10	0.216 0.210	0.75 0.65	9 200 9 200	39 39	0.837 0.837	0.65 0.65	1 227.7 1 237.6	1984 1984 1984 1984	1990 1990 1989 1990	ASSIGNED WELL 14-35-037-17W4M POCO PANCDN TCPL PANCDN
22.70	0.240	0.85	10 100	47	0.856	0.66	1 264.0	1991	1992	
16.45 17.10 7.70	0.092 0.070 0.060	0.85 0.90 0.85	26 180 30 330 29 000	112 101 99	0.968 0.938 0.924	0.61 0.83 0.73	2 539.8 2 535.5 2 574.6	1983 1990 1985	1990 1992 1989	HOME GULF DART A&S SHELL MATERIAL BALANCE SHELL
3.58	0.335	0.70	1 130	18	0.977	0.56	299.2	1974	1990	NRTHSTR
9.56 19.52 44.30	0.140 0.054 0.070	0.85 0.85 0.85	26 130 33 710 60 710	79 83 123	0.865 0.995 1.285	0.78 0.60 0.60	2 653.6 2 886.1 4 133.1	1974 1978 1980	1976 1982 1989	PROGAS PANALTA HOME HUSKY CNG TCPL AMERADA PANALTA MATERIAL BALANCE TOP/BASE TVD
22.10 18.52 19.98	0.092 0.064 0.070	0.90 0.90 0.90	43 810 43 840 43 810	144 138 124	1.093 1.096 1.087	0.72 0.71 0.72	4 619.5 4 774.4 4 715.1	1976 1979 1991	1990 1989 1991	PANALTA PANALTA ENCOR
4.09	0.140	0.50	6 250	27	0.896	0.57	903.6	1953	1990	CRESTAR UNIGAS KANNGAZ TCPL RENENER PANALTA NCMI HILL HOME PART OF 2WS POOL NO.2
2.60 1.66	0.250 0.235	0.65 0.70	9 470 9 490	36 37	0.828 0.824	0.64 0.64	1 127.4 1 151.5	1972 1949 1949	1986 1988 1988	MATERIAL BALANCE PRODUCTION DECLINE CRESTAR KANNGAZ HOME NCMI TCPL
2.59 3.12 4.36 2.67 1.87 1.82 4.46 6.90 4.11 3.90	0.298 0.288 0.292 0.288 0.310 0.289 0.321 0.310 0.270 0.330	0.65 0.70 0.75 0.60 0.60 0.60 0.75 0.80 0.75 0.80	1 940 1 970 1 960 1 970 1 990 1 790 1 860 1 790 1 740 1 710	19 10 19 15 15 12 13 13 14 15	0.962 0.956 0.961 0.959 0.959 0.962 0.961 0.962 0.964 0.965	0.55 0.56 0.56 0.55 0.55 0.56 0.56 0.56 0.56 0.56	332.3 386.1 340.6 342.9 345.8 298.7 336.1 309.2 318.0 342.6	1979 1984 1984 1986 1986 1983 1986 1983 1988 1988	1992 1989 1992 1989 1989 1991 1992 1991 1989 1989	PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
HARDY 076-05W4 (CONTINUED) MCMURRAY MU #1 TOTAL	5 124	0.55	0.05	2 739	1 536	1 203	37	44 824	
OTHER	841			441	16	425		15 774	
TOTAL-HARDY	5 965			3 180	1 552	1 628		60 598	
HARLECH (SA) 044-14W5 TOTAL-HARLECH	204			146		146		5 899	
HARLEY 056-27W5 LED 15-056-27	861	0.70	0.10	543		543	39	21 318	200
OTHER	92			67		67		2 673	
TOTAL-HARLEY	953			610		610		23 991	
HARMATTAN EAST 032-03W5 RUNDLE SOLN	5 622	0.39	0.30	1 535 ^b			41a		
RUNDLE ASSOC	36 252	c	c	28 000 ^b	19 118 ^b	10 417	41a	426 368	21 690
RUNDLE C SOLN	154	0.65	0.35	65 ^b			39		
RUNDLE C ASSOC	381	0.85	0.10	292 ^b	50 ^b	307	39	12 114	200
OTHER	1 727			965	311	654		26 756	
TOTAL-HARMATTAN EAST	44 136			30 857	19 479	11 378		465 238	
HARMATTAN-ELKTON 031-04W5 RUNDLE B SOLN	18	0.65	0.30	8 ^b			40		
RUNDLE B ASSOC	2 353	0.85	0.15	1 700 ^b	1 019 ^b	689	40	27 725	2 643
RUNDLE C SOLN	5 143	0.65	0.30	2 340 ^b			41a		
RUNDLE C ASSOC	31 326	c	c	23 300 ^b	12 291 ^b	13 349	41a	553 717	7 020
RUNDLE A	2 400	0.25	0.14	516	509	7	39	272	849
D-3 A	13 400	0.28	0.79	788	683	105	36	3 761	4 527
OTHER	89			63		63		2 468	
TOTAL-HARMATTAN-ELKTON	54 729			28 715	14 502	14 213		587 943	
HARO 101-03W6 BLUESKY A	1 149	0.85	0.05	928	904	24	36	874	16 755
BLUESKY F	588	0.60	0.05	335		335	38	12 640	8 316
OTHER	1 458			910	384	526		19 325	
TOTAL-HARO	3 195			2 173	1 288	885		32 839	
HARPER 097-24W4 TOTAL-HARPER	786			374		374		13 681	
HARTELL 019-02W5 TOTAL-HARTELL	364			77	77				
HARTMAN 067-04W5 TOTAL-HARTMAN	23			15		15		567	
HASTINGS 050-20W4 TOTAL-HASTINGS	192			135	114	21		790	
HAWK 097-20W5 TOTAL-HAWK	32			22		22		824	
HAYNES 038-24W4 TOTAL-HAYNES	613			364	24	340		12 633	
HAYS 013-14W4 ARCS 11-013 ASSOC	744	0.90	0.30	469		469	37	17 494	400
ARCS 25-012-15	590	0.85	0.25	377		377	35	13 225	400
OTHER	1 921			1 247	10	1 237		40 200	
TOTAL-HAYS	3 255			2 093	10	2 083		70 919	
HAYTER 041-01W4 TOTAL-HAYTER	847			459	34	425		15 352	
HEART LAKE 069-10W4 TOTAL-HEART LAKE	755			379	171	208		7 629	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
HEART RIVER 077-16W5									
PADDY A	900	0.50	0.05	428	175	253	37	9 462	2 673
NOTIKEWIN	1 500	0.65	0.05	926	879	47	37	1 760	3 718
OTHER	219			147	69	78		2 909	
TOTAL-HEART RIVER	2 619			1 501	1 123	378		14 131	
HEATHDALE 027-08W4									
GLAUCONITIC F	958	0.75	0.05	683	12	671	38	25 203	1 777
OTHER	3 069			2 154	231	1 923		72 178	
TOTAL-HEATHDALE	4 027			2 837	243	2 594		97 381	
HECTOR 016-17W4									
UPPER MANNVILLE C	550	0.90	0.10	446	54	392	38	15 033	300
OTHER	589			422	79	343		12 939	
TOTAL-HECTOR	1 139			868	133	735		27 972	
HELDAR 058-07W5									
NORDEGG B	533	0.85	0.15	385	322	63	39	2 445	1 956
OTHER	1 226			830	4	826		32 355	
TOTAL-HELDAR	1 759			1 215	326	889		34 800	
HELMSDALE 026-06W4									
TOTAL-HELMSDALE	96			66	20	46		1 748	
HERCULES 051-23W4									
TOTAL-HERCULES	910			576	132	444		16 236	
HERRONTON 019-26W4									
BELLY RIVER A		0.85	0.05				36		9 782
BELLY RIVER B		0.85	0.05				36		2 491
BELLY RIVER A & B TOTAL	1 629	0.85	0.05	1 331	1 331	< 1	36	-	
TURNER VALLEY B ASSOC	830	0.90	0.20	598			44		400
TURNER VALLEY B TOTAL	830	0.90	0.20	598			44	26 246	
TV 21-019-25	582	0.80	0.10	419			39	16 467	200
OTHER	881			482	148	334		12 259	
TOTAL-HERRONTON	3 922			2 830	1 479	1 351		54 972	
HIGH PRAIRIE 073-16W5									
TOTAL-HIGH PRAIRIE	487			342		342		12 651	
HIGH RIVER 018-29W4									
TOTAL-HIGH RIVER	207			124		124		5 176	
HIGHLAND 029-02W4									
TOTAL-HIGHLAND	80			55		55		2 111	
HIGHVALE 051-04W5									
NORDEGG D	19	0.80	0.10	14			40		128
BANFF H SOLN	725	0.65	0.15	400			42		
NORDEGG D & BANFF H TOTAL	744	0.65	0.15	414	45	369	42	15 465	
OTHER	4 804			3 033	673	2 360		91 943	
TOTAL-HIGHVALE	5 548			3 447	718	2 729		107 408	
HIGHWOOD (SA) 017-02W5									
TOTAL-HIGHWOOD	3			2		2		80	
HILL 085-11W6									
TOTAL-HILL	159			113	22	91		3 529	
HILLSDOWN 037-25W4									
TOTAL-HILLSDOWN	329			200	45	155		5 845	
HINES 086-03W6									
SPIRIT RIVER F	727	0.70	0.05	484	226	258	38	9 740	3 228
OTHER	1 658			1 023	445	578		21 681	
TOTAL-HINES	2 385			1 507	671	836		31 421	
HINTON 051-25W5									
TOTAL-HINTON	514			244	243	1		38	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.60	0.281	0.70	1 870	21	0.964	0.55	490.7	1952	1989	CNWE SASKOIL PANALTA UNOCAL MATERIAL BALANCE
4.46	0.325	0.65	3 270	24	0.940	0.55	531.8	1952	1989	CNWE SASKOIL PANALTA AMOCO MATERIAL BALANCE
2.42	0.301	0.70	9 570	32	0.844	0.60	1 000.5	1983	1991	UNIGAS OPINAC PINCL CANST TCPL
17.65	0.152	0.50	11 820	35	0.799	0.64	1 081.7	1988	1989	NCMI SASKOIL TCPL
4.34	0.169	0.60	11 160	50	0.828	0.66	1 264.1	1980	1991	CRESTAR HOME PROGAS DIRECT UNIGAS MATERIAL BALANCE DEEP CUT SL
4.15	0.212	0.65	3 280	35	0.948	0.57	908.9	1973	1992	
3.01	0.187	0.55	3 310	35	0.947	0.57	995.4	1973	1992	
6.20	0.210	0.85	15 400	63	0.695	0.85	1 754.6	1991	1992	ATCOR
16.00	0.130	0.80	15 460	50	0.778	0.71	1 741.4	1991	1992	NCMI ATCOR
1.40	0.090	0.60	17 230	49	0.761	0.73 0.74	1 587.3	1985 1981 1985	1986 1986 1992	NORCEN
3.99	0.306	0.65	2 860	29	0.949	0.56	609.9	1978	1988	AEL PANALTA HOME

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
HOLBURN 050-01W5 TOTAL-HOLBURN	1 769			1 214	320	894		35 158	
HOLLOW 061-20W4 TOTAL-HOLLOW	461			282	83	199		7 487	
HOLMBERG 044-17W4 BELLY RIVER A	413	0.80	0.05	314	68	246	36	8 819	3 714
GLAUCONITIC E	612	0.75	0.10	413	195	218	38	8 293	1 060
GLAUCONITIC A	569	0.75	0.05	406			36		1 586
MANNVILLE D	391	0.70	0.10	247			37		569
GLAUC A & MANNVILLE D TOTAL	960	0.75	0.05	653	266	387	37	14 211	
OTHER	4 745			3 113	891	2 222		83 133	
TOTAL-HOLMBERG	6 730			4 493	1 420	3 073		114 456	
HOMEGLEN-RIMBEY 043-01W5 D-3 SOLN	2 459	0.50	0.20	984 ^b			38		
D-3 ASSOC	30 588	0.90	0.15	23 400 ^b	24 282 ^b	102	38	3 925	4 661
OTHER	1 204			764	197	567		22 750	
TOTAL-HOMEGLEN-RIMBEY	34 251			25 148	24 479	669		26 675	
HONDO 070-27W4 TOTAL-HONDO	51			35		35		1 308	
HONEYSUCKLE 046-26W4 TOTAL-HONEYSUCKLE	468			305	118	187		7 300	
HOOKER 015-29W4 LIV 05-015-29	711	0.70	0.20	398		398	37	14 873	200
OTHER	126			86		86		3 459	
TOTAL-HOOKER	837			484		484		18 332	
HOOLE 081-24W4 WABISKAW A	956	0.70	0.05	636	546	90	37	3 326	7 898
WABAMUN A	1 732	0.65	0.05	1 070			36		10 043
BLUERIDGE A	34	0.60	0.05	19			37		400
WABAMUN A&BLUERIDGE A TOTAL	1 766	0.65	0.05	1 089	329	760	36	27 451	
OTHER	249			151		151		5 562	
TOTAL-HOOLE	2 971			1 876	875	1 001		36 339	
HORSE (SA) 058-27W5 TOTAL-HORSE	244			158		158		6 261	
HORSEFLY LAKE 008-16W4 TOTAL-HORSEFLY LAKE	40			26		26		879	
HOSELAW 060-06W4 TOTAL-HOSELAW	157			98	48	50		1 866	
HOSPITAL CREEK (SA) 085-02W5 TOTAL-HOSPITAL CREEK	10			6		6		226	
HOTCHKISS 094-01W6 BLSK-DETR-DBLT A		0.70	0.05				36		8 063
BLSK-DETR-DBLT A		0.70	0.05				37		300
BLSK-DETR-DBLT A TOTAL	5 383	0.70	0.05	3 580	3 282	298	37	11 011	
BLUESKY A	965	0.80	0.05	733			35		5 282
BLUESKY B	343	0.70	0.05	228			37		400
BLUESKY D	630	0.80	0.05	479			37		2 177
BLUESKY E	1 355	0.80	0.05	1 030			37		4 682
BLUESKY G	23	0.60	0.05	13			37		200
BLUESKY I	6	0.70	0.05	4			36		200
SHUNDA A	2 803	0.80	0.05	2 130			37		15 097
BLUESKY&SHUNDA MU #1 TOTAL	6 125	0.80	0.05	4 617	3 818	799	35	28 261	
DEBOLT B	652	0.50	0.05	310	295	15	36	546	1 880
GLWD 33-092-25	610	0.90	0.05	522		522	38	19 742	200
OTHER	1 466			1 005	188	817		30 386	
TOTAL-HOTCHKISS	14 236			10 034	7 583	2 451		89 946	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.15	0.271	0.60	3 020	14	0.941	0.58	392.7	1971	1992	POCO CNRL CNWE TCPL A&S ESSO
4.64	0.229	0.70	7 560	44	0.874	0.67	1 042.8	1970	1986	A&S TCPL
2.85	0.220	0.70	7 620	33	0.866	0.64	1 028.6	1971	1986	
4.82	0.234	0.75	7 540	33	0.863	0.67	1 048.5	1977	1992	CNRL TCPL A&S ESSO
								1971	1992	
						0.77		1953	1988	CRESTAR POCO PROGAS TCPL A&S PRODUCTION
52.52	0.080	0.90	19 530	82	0.843	0.77	2 385.5	1953	1988	DECLINE CONCURRENT PRODUCTION
										CRESTAR POCO PROGAS TCPL A&S PRODUCTION
										DECLINE CONCURRENT PRODUCTION
21.00	0.098	0.80	24 900	86	0.913	0.68	3 388.1	1980	1982	PROGAS BER
2.26	0.291	0.65	2 720	16	0.945	0.56	422.4	1967	1991	PROGAS
5.72	0.179	0.70	2 330	16	0.953	0.58	459.5	1967	1991	
5.15	0.132	0.55	2 230	16	0.955	0.57	479.9	1988	1990	AMOCO PROGAS PANALTA
								1967	1991	
5.02	0.201	0.75	5 500	30	0.907	0.58	728.8	1973	1991	PART OF BLSKY-DETR-DBLT NO.1 PRODUCTION
4.70	0.201	0.65	5 500	30	0.907	0.56	709.5	1973	1991	DECLINE
										PART OF BLSKY-DETR-DBLT NO.1 PRODUCTION
										DECLINE ASSIGNED WELL 10-20-094-01W6M
								1973	1991	PANALTA NORCEN PART OF BLSKY-DETR-DBLT
1.56	0.232	0.50	5 450	23	0.902	0.60	675.9	1971	1981	NO.1
2.90	0.180	0.75	5 420	30	0.908	0.58	690.1	1974	1986	MATERIAL BALANCE
1.29	0.227	0.60	5 350	30	0.908	0.57	715.3	1974	1987	PRODUCTION DECLINE
1.38	0.227	0.55	5 220	26	0.906	0.58	647.8	1976	1987	MATERIAL BALANCE
1.00	0.180	0.70	5 140	25	0.908	0.56	663.4	1977	1987	MATERIAL BALANCE
0.62	0.150	0.65	5 020	31	0.918	0.59	678.5	1978	1978	MATERIAL BALANCE
3.20	0.181	0.55	5 360	29	0.906	0.58	684.2	1975	1987	MATERIAL BALANCE
								1971	1989	NORCEN AMOCO PANALTA TCPL
4.39	0.230	0.60	5 460	27	0.904	0.58	689.2	1972	1984	PANALTA
13.25	0.150	0.80	20 800	74	0.888	0.62	2 077.0	1990	1990	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
HOUSE 082-15W4									
GROSMONT A	5 528	0.40	0.05	2 100	1 188	912	37	33 662	63 429
OTHER	215			113		113		4 041	
TOTAL-HOUSE	5 743			2 213	1 188	1 025		37 703	
HOWARD 079-05W6									
TOTAL-HOWARD	201			138		138		5 312	
HUDSON 030-02W4									
VIKING A	1 086	0.70	0.08	699	667	32	37	1 184	7 623
OTHER	1 367			942	110	832		30 851	
TOTAL-HUDSON	2 453			1 641	777	864		32 035	
HUNTER VALLEY 029-09W5									
RUNDLE A	2 844	0.75	0.25	1 600	886	714	38	26 796	1 117
TOTAL-HUNTER VALLEY	2 844			1 600	886	714		26 796	
HUSSAR 025-20W4									
BELLY RIVER A	424	0.80	0.05	322			37		4 984
BELLY RIVER D	281	0.80	0.05	214			37		3 699
BELLY RIVER E	4	0.80	0.05	3			37		128
BELLY RIVER F	21	0.80	0.05	16			37		250
BELLY RIVER A,D,E & F TOTAL	730	0.80	0.05	555	514	41	37	1 512	
MILK RIVER A	193	0.70	0.05	128			36		2 453
MEDICINE HAT A	4 344	0.70	0.03	2 950			36		63 330
BELLY RIVER C	59	0.55	0.05	30			37		646
SE ALTA GAS SYS (MU) TOTAL	4 596	0.70	0.05	3 108	374	2 734	36	99 736	
VIKING B	848	0.90	0.05	725	276	449	38	17 125	4 583
VIKING E	413	0.80	0.05	314	306	8	37	299	5 499
BASAL COLORADO A	584	0.90	0.05	500	376	124	37	4 581	6 752
BASAL COLORADO C	690	0.85	0.05	558	522	36	37	1 327	6 507
GLAUCONITIC B SOLN	105	0.65	0.15	58b			38		
GLAUCONITIC B ASSOC	609	0.90	0.10	493b	482b	69	38	2 651	1 329
GLAUCONITIC A ASSOC	2 367	0.92	0.10	1 960b			39		2 397
GLAUCONITIC A SOLN	572	0.65	0.25	279b			39		
GLAUCONITIC A ASSOC	351	0.92	0.10	290b			39		256
GLAUCONITIC A TOTAL	3 290	0.85	0.10	2 529b	1 553b	976	39	37 761	
GLAUCONITIC N	3 766	0.90	0.05	3 220	3 165	55	39	2 136	5 111
GLAUCONITIC P	673	0.85	0.05	543	499	44	40	1 738	150
GLAUCONITIC Q	724	0.90	0.10	587	577	10	40	396	617
GLAUCONITIC R	508	0.90	0.10	412	402	10	40	398	150
GLAUCONITIC S	118	0.75	0.10	80			39		951
GLAUCONITIC S	307	0.85	0.10	235			40		1 506
GLAUCONITIC S TOTAL	425	0.80	0.10	315	2	313	39	12 241	
GLAUCONITIC FF	555	0.80	0.05	422	399	23	39	895	200
GLAUCONITIC JJ	47	0.75	0.10	32			40		150
GLAUCONITIC JJ	1 458	0.65	0.10	852			39		6 471
GLAUCONITIC JJ TOTAL	1 505	0.65	0.10	884	375	509	39	19 978	
GLAUCONITIC III	640	0.80	0.10	461	164	297	39	11 628	2 352
OSTRACOD F	1 013	0.90	0.10	821	57	764	40	30 209	3 359
OSTRACOD R	685	0.80	0.05	521	283	238	40	9 403	2 952
BASAL MANNVILLE B	1 374	0.80	0.10	989	15	974	39	38 259	953
OTHER	10 971			7 018	3 329	3 689		143 821	
TOTAL-HUSSAR	34 704			25 033	13 670	11 363		436 094	
HUXLEY 034-24W4									
VIKING A		0.70	0.05				38		4 918
UPPER MANNVILLE A		0.70	0.05				39		200
LOWER MANNVILLE A		0.70	0.05				40		300
VIK A,UMN A & LMN A TOTAL	1 699	0.70	0.05	1 130	974	156	39	6 100	
OTHER	1 815			1 077	277	800		31 200	
TOTAL-HUXLEY	3 514			2 207	1 251	956		37 300	
HYLO 065-15W4									
LOWER MANNVILLE A	838	0.70	0.05	558	199	359	37	13 312	6 122
OTHER	1 396			884	399	485		17 995	
TOTAL-HYLO	2 234			1 442	598	844		31 307	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
26.41	0.118	0.20	1 390	18	0.972	0.57	304.7	1973	1992	PANALTA NCMI ESSO
1.85	0.220	0.40	6 570	32	0.892	0.58	732.7	1956	1992	CRESTAR PANALTA TCPL PART OF VIK POOL NO.5 PRODUCTION DECLINE
16.21	0.061	0.80	24 670	64	0.861	0.66	2 628.1	1962	1989	TCPL A&S MATERIAL BALANCE TOP/BASE TVD
2.12	0.239	0.55	3 050	27	0.946	0.56	623.4	1960	1990	PANCDN CWNGNU TCPL PART OF MILK RIV POOL NO.1 PART OF MED HAT POOL NO.1 NORCEN PANCDN PROGAS TCPL PANCDN TCPL TCPL PRODUCTION DECLINE TCPL MATERIAL BALANCE TCPL MATERIAL BALANCE TCPL MATERIAL BALANCE CONCURRENT PRODUCTION TCPL MATERIAL BALANCE CONCURRENT PRODUCTION CONING GAS CAP CONING GAS CAP CONING GAS CAP TCPL CONING GAS CAP TCPL PRODUCTION DECLINE TCPL MATERIAL BALANCE TCPL PRODUCTION DECLINE TCPL PRODUCTION DECLINE TCPL PRODUCTION DECLINE TCPL PANCDN TCPL PRODUCTION DECLINE TCPL PANCDN CRESTAR PANCDN TCPL PART OF GLAUC POOL NO.6 TCPL TCPL MATERIAL BALANCE PANCDN TCPL
1.91	0.250	0.50	3 170	27	0.944	0.56	637.6	1960	1985	
0.81	0.250	0.50	3 170	27	0.944	0.56	663.0	1968	1985	
2.16	0.250	0.50	3 170	27	0.944	0.56	694.8	1965	1988	
2.82	0.154	0.55	3 140	16	0.937	0.56	798.7	1910	1987	
1.59	0.170	0.55	4 310	17	0.916	0.56	829.7	1904	1987	
2.22	0.230	0.55	3 170	20	0.939	0.56	649.5	1964	1984	
1.50	0.203	0.75	7 740	40	0.868	0.62	1 229.1	1955	1985	
1.08	0.203	0.70	7 930	38	0.871	0.60	1 143.4	1961	1987	
1.06	0.169	0.70	8 550	44	0.880	0.59	1 320.1	1952	1984	
1.07	0.177	0.70	8 470	45	0.891	0.56	1 255.8	1955	1992	
2.29	0.203	0.70	10 140	45	0.828	0.66	1 428.8	1956	1985	
5.14	0.227	0.75	10 200	44	0.811	0.69	1 426.9	1952	1987	
7.19	0.219	0.75	10 240	44	0.810	0.69	1 438.1	1952	1986	
4.38	0.209	0.70	10 140	44	0.831	0.64	1 364.8	1952	1987	
17.37	0.220	0.75	10 270	44	0.824	0.64	1 375.0	1955	1984	
3.23	0.208	0.70	10 140	44	0.816	0.66	1 401.2	1957	1989	
17.27	0.210	0.70	10 270	44	0.809	0.67	1 416.5	1960	1992	
1.30	0.170	0.50	10 070	41	0.810	0.67	1 392.3	1960	1992	
1.47	0.180	0.70	10 140	44	0.827	0.63	1 379.1	1962	1992	
1.85	0.170	0.85	10 070	44	0.778	0.75	1 402.7	1962	1992	
3.00	0.160	0.60	9 630	39	0.815	0.66	1 380.2	1968	1988	
2.43	0.170	0.50	9 900	43	0.826	0.65	1 397.1	1979	1988	
2.31	0.193	0.55	10 000	39	0.821	0.64	1 258.0	1960	1992	
1.40	0.280	0.75	9 470	44	0.828	0.66	1 393.8	1954	1992	
1.74	0.200	0.70	10 220	46	0.817	0.67	1 449.1	1956	1973	
12.17	0.150	0.70	10 160	42	0.813	0.66	1 370.4	1956	1984	
3.97	0.150	0.40	8 570	52	0.870	0.63	1 486.9	1960	1992	PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE PROGAS TCPL
2.10	0.180	0.50	11 250	60	0.833	0.68	1 592.5	1962	1988	
8.10	0.123	0.70	11 420	62	0.836	0.67	1 681.6	1963	1985	
								1962	1989	
3.62	0.273	0.55	2 460	19	0.951	0.56	482.6	1972	1988	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
HYTHE 073-10W6 TOTAL-HYTHE	1 382			832	134	698		28 210	
INLAND 051-15W4 TOTAL-INLAND	3 171			1 723	895	828		30 407	
INNISFAIL 035-01W5 PEK 34-034-01	937	0.85	0.15	677		677	41	27 703	200
D-3 SOLN	6 000	0.60	0.40	2 160 ^b			39		
D-3 ASSOC	253	0.65	0.30	115 ^b	2 136 ^b	139	39	5 440	307
OTHER	1 371			847	14	833		33 050	
TOTAL-INNISFAIL	8 561			3 799	2 150	1 649		66 193	
INVERNESS (SA) 068-12W5 TOTAL-INVERNESS	83			52		52		2 020	
IOSEGUN (SA) 066-21W5 TOTAL-IOSEGUN	87			58		58		1 909	
IPIATIK 072-09W4 GRAND RAPIDS A	707	0.60	0.05	403	337	66	37	2 436	8 618
GRAND RAPIDS B	674	0.50	0.05	320	226	94	37	3 463	7 704
OTHER	617			316	162	154		5 673	
TOTAL-IPIATIK	1 998			1 039	725	314		11 572	
IRON SPRINGS 011-20W4 TOTAL-IRON SPRINGS	383			261	53	208		7 520	
IRRICANA 027-27W4 WABAMUN A	1 444	0.45	0.25	488	475	13	36	471	801
WABAMUN B	901	0.55	0.20	397	3	394	37	14 397	1 930
OTHER	211			122	57	65		2 375	
TOTAL-IRRICANA	2 556			1 007	535	472		17 243	
ISLAY 050-04W4 TOTAL-ISLAY	107			75	4	71		2 493	
JACK 085-04W6 TOTAL-JACK	217			150	43	107		3 974	
JARVIE 063-01W5 VIKING A	520	0.80	0.05	395	46	349	38	13 384	5 293
ELLERSLIE B	488	0.75	0.05	348	125	223	39	8 606	2 017
OTHER	1 323			870	175	695		26 396	
TOTAL-JARVIE	2 331			1 613	346	1 267		48 386	
JARVIE NORTH 064-02W5 TOTAL-JARVIE NORTH	272			182		182		6 839	
JASLAN 067-21W4 TOTAL-JASLAN	109			72		72		2 700	
JAYAR 061-03W6 CARDIUM A	436	0.85	0.10	334	2	332	39	12 875	200
OTHER	682			308	47	261		10 594	
TOTAL-JAYAR	1 118			642	49	593		23 469	
JEFFREY 059-23W4 TOTAL-JEFFREY	544			353	52	301		11 354	
JENNER 020-09W4 MILK RIVER A	5 278	0.70	0.05	3 510			36		44 654
MEDICINE HAT A	1 914	0.70	0.03	1 300			36		36 071
MEDICINE HAT C	74	0.50	0.03	36			36		2 841
MEDICINE HAT D	144	0.50	0.03	70			36		4 999
SECOND WHITE SPECKS A	1 585	0.75	0.05	1 130			36		20 095
SE ALTA GAS SYS(MU) TOTAL	8 995	0.70	0.05	6 046	2 234	3 812	36	139 024	
VIKING J	454	0.80	0.05	345	249	96	37	3 562	2 866
BASAL COLORADO D	669	0.85	0.05	541	118	423	36	15 376	2 166
UPPER MANNVILLE D SOLN	292	0.60	0.20	140 ^b			35		

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
22.10	0.120	0.85	17 290	47	0.739	0.76	2 184.8	1991	1992	GARDNER TCPL GPP GARDNER TCPL GPP
6.52	0.058	0.85	24 480	68	0.796	0.84	2 565.9	1957	1989	
2.41	0.290	0.70	1 630	13	0.966	0.56	317.8	1974	1991	PANALTA ESSO PANALTA
2.73	0.281	0.70	1 590	14	0.967	0.56	319.0	1974	1991	
4.07	0.050	0.70	24 340	74	0.916	0.65	2 317.0	1958	1991	PANCDN PRODUCTION DECLINE CRESTAR PROGAS PANALTA
6.52	0.053	0.60	24 200	71	0.889	0.71	2 345.8	1969	1986	
1.34	0.208	0.60	5 610	32	0.891	0.61	674.6	1960	1987	POCO NORCEN ESSO PANALTA NORCEN PANALTA
2.60	0.216	0.65	6 460	40	0.885	0.62	905.8	1965	1986	
9.60	0.180	0.80	16 210	70	0.853	0.65	1 935.3	1979	1992	HOME
6.02	0.154	0.55	3 140	16	0.937	0.56	394.2	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE PART OF MED HAT POOL NO.1 PART OF MED HAT POOL NO.3 PART OF MED HAT POOL NO.4 PART OF 2WS POOL NO.1 CRESTAR PINCL PANCDN NORCEN KANNGAZ A&S PANALTA DIRECT TCPL RENENER AMEAGLE PANCDN TCPL SCEPTRE AMEAGLE PANCDN SCEPTRE CRESTAR KANNGAZ HOME DIRECT TCPL CONING GAS CAP
1.23	0.170	0.55	4 310	17	0.916	0.56	480.7	1904	1987	
0.66	0.139	0.60	4 450	19	0.916	0.56	480.1	1973	1987	
0.73	0.139	0.60	4 450	19	0.916	0.56	505.6	1973	1987	
1.02	0.216	0.60	5 690	27	0.904	0.56	664.5	1944	1987	
								1904	1987	
1.48	0.239	0.60	6 760	23	0.871	0.59	746.1	1971	1989	
2.11	0.226	0.65	8 950	28	0.848	0.60	855.5	1980	1983	
						0.61		1952	1992	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
JENNER 020-09W4 (CONTINUED) UPPER MANNVILLE D ASSOC	294	0.75	0.05	210 ^b	166 ^b	184	35	6 442	362
ARCS A	785	0.80	0.20	502	357	145	35	5 063	400
OTHER	5 284			3 609	949	2 660		95 411	
TOTAL-JENNER	16 773			11 393	4 073	7 320		264 878	
JILES 063-21W4 TOTAL-JILES	401			239	60	179		6 705	
JOAN 092-10W5 TOTAL-JOAN	40			22		22		807	
JOARCAM 048-21W4 VIKING C SOLN	5	0.60	0.05	3 ^b			38		
VIKING C ASSOC	985	0.60	0.05	561 ^b	71 ^b	493	38	18 754	20 565
VIKING ASSOC	2 250	0.80	0.35	1 170 ^b			37		14 101
VIKING SOLN	1 446	0.54	0.40	469 ^b			37		
VIKING ASSOC	2	0.55	0.05	1 ^b			38		16
VIKING TOTAL	3 697	0.70	0.35	1 639 ^b	1 343 ^b	296	37	10 905	
OTHER	2 026			1 416	108	1 308		48 936	
TOTAL-JOARCAM	6 713			3 619	1 522	2 097		78 595	
JOFFRE 038-26W4 BLAIRMORE U	425	0.85	0.10	325	250	75	40	3 013	486
UPPER MANNVILLE A		0.85	0.15				41		205
UPPER MANNVILLE B		0.65	0.10				40		150
BLAIRMORE C		0.85	0.10				40		1 473
U MANN A&B, BLAIR C TOTAL	941	0.85	0.10	704	667	37	40	1 490	
D-2 SOLN	3 689	0.38	0.55	631	529	102	43	4 365	
OTHER	4 099			1 874	388	1 486		57 512	
TOTAL-JOFFRE	9 154			3 534	1 834	1 700		66 380	
JOHN LAKE 055-01W4 COLONY E	469	0.80	0.05	356	218	138	36	4 993	2 676
OTHER	2 648			1 618	627	991		35 693	
TOTAL-JOHN LAKE	3 117			1 974	845	1 129		40 686	
JOHNSON 016-14W4 MILK RIVER A	535	0.70	0.05	356			36		4 306
SECOND WHITE SPECKS A	137	0.75	0.05	98			36		2 427
SE ALTA GAS SYS(MU) TOTAL	672	0.70	0.05	454	11	443	36	16 156	
OTHER	559			309	27	282		10 413	
TOTAL-JOHNSON	1 231			763	38	725		26 569	
JOLI FOU (SA) 081-20W4 TOTAL-JOLI FOU	42			22		22		781	
JOLIET 025-07W4 TOTAL-JOLIET	84			60		60		2 170	
JOSEPHINE 083-09W6 KISKATINAW A	920	0.76	0.05	664	616	48	39	1 857	1 600
OTHER	43			31		31		1 161	
TOTAL-JOSEPHINE	963			695	616	79		3 018	
JOUSSARD (SA) 074-14W5 TOTAL-JOUSSARD	202			141		141		5 332	
JUDSON (SA) 007-12W4 TOTAL-JUDSON	24			16		16		585	
JUDY CREEK 063-11W5 VIKING A SOLN	288	0.65	0.30	131 ^b			38		

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
3.83	0.271	0.70	10 340	34	0.856	0.61	947.0	1952	1992	CRESTAR KANNGAZ HOME DIRECT TCPL CONING GAS CAP CRESTAR PRODUCTION DECLINE NONCOMMERCIAL OIL
11.30	0.131	0.80	10 500	46	0.830	0.79	1 214.2	1981	1992	
						0.61		1949	1990	POCO AMEAGLE NORCEN PANCDN KANNGAZ BVI PROGAS NCMI CWNGNUL A&S VECTOR ESSO CONCURRENT PRODUCTION POCO AMEAGLE NORCEN PANCDN KANNGAZ BVI PROGAS NCMI CWNGNUL A&S VECTOR ESSO CONCURRENT PRODUCTION CONCURRENT PRODUCTION, GAS FLOOD CONCURRENT PRODUCTION, GAS FLOOD ASSIGNED WELL 09-18-049-21W4M POCO PANCDN NORCEN AMEAGLE BVI PROGAS NCMI CWNGNUL A&S VECTOR ESSO CONCURRENT PRODUCTION
0.95	0.167	0.50	6 000	42	0.897	0.61	983.5	1949	1990	
1.91	0.196	0.70	5 960	38	0.895	0.64	985.9	1949	1992	PANALTA TCPL PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE RIFE HOME ESSO CWNGNUL DART TCPL POCO GARDNER POCO KANNGAZ ESSO TCPL
1.50	0.210	0.70	4 640	32	0.914	0.64	988.6	1949	1992	
						0.61		1949	1988	
								1958	1988	
4.77	0.145	0.75	15 150	55	0.780	0.71	1 791.0	1957	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE PART OF 2WS POOL NO.1 SCEPTRE PANCDN TCPL
3.91	0.230	0.90	14 180	68	0.791	0.75	1 761.0	1967	1992	
3.35	0.120	0.75	11 200	54	0.803	0.71	1 784.5	1964	1992	
1.65	0.148	0.70	16 110	56	0.785	0.72	1 823.8	1958	1992	
						0.86		1958	1992	
								1956	1990	
3.36	0.293	0.65	2 700	22	0.951	0.58	436.5	1975	1992	AMOCO POCO
3.33	0.154	0.55	3 140	16	0.937	0.56	342.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE PART OF 2WS POOL NO.1 SCEPTRE PANCDN TCPL
0.73	0.216	0.60	5 690	27	0.904	0.56	630.1	1944	1987	
								1940	1989	
9.27	0.138	0.70	15 640	69	0.845	0.66	1 749.9	1974	1992	TCPL MATERIAL BALANCE
						0.62		1959	1991	GARDNER POCO AMERADA HUSKY CWNGNUL A&S MATERIAL BALANCE CONCURRENT PRODUCTION.

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
JUDY CREEK 063-11W5 (CONTINUED)									
VIKING A ASSOC	2 884	0.91	0.15	2 230 ^b	2 335 ^b	26	38	992	8 965
BEAVERHILL LAKE A SOLN	18 889	0.45	0.30	5 950 ^b			43		
BEAVERHILL LAKE A ASSOC		0.70	0.10		4 191 ^b	1 759	43	75 426	
BEAVERHILL LAKE B SOLN	8 222	0.45	0.20	2 960 ^b			43		
BEAVERHILL LAKE B ASSOC		0.70	0.10		1 870 ^b	1 090	43	46 739	
OTHER	702			460	207	253		9 693	
TOTAL-JUDY CREEK	30 985			11 731	8 603	3 128		132 850	
JUDY CREEK SOUTH 062-12W5									
TOTAL-JUDY CREEK SOUTH	1 010			560	82	478		19 255	
JUMPBUSH 019-20W4									
BOW ISLAND C	480	0.75	0.05	342	48	294	36	10 634	1 981
OTHER	1 036			600	108	492		19 178	
TOTAL-JUMPBUSH	1 516			942	156	786		29 812	
JUMPING POUND 025-04W5									
MISSISSIPPIAN	6 435	0.88	0.17	4 700			39		1 303
MISSISSIPPIAN	18 209	0.88	0.17	13 300			39		1 908
MISSISSIPPIAN TOTAL	24 644	0.90	0.15	18 000	15 430	2 570	39	100 873	
OTHER	418			284		284		11 153	
TOTAL-JUMPING POUND	25 062			18 284	15 430	2 854		112 026	
JUMPING POUND WEST 025-06W5									
RUNDLE C	22 059	0.85	0.20	15 000	7 925	7 075	39	273 520	4 084
RUNDLE A		0.85	0.20				39		7 891
RUNDLE B		0.85	0.20				39		1 143
RUNDLE A & B TOTAL	52 941	0.85	0.20	36 000	21 742	14 258	39	554 921	
PEK 19-026-06	475	0.85	0.15	343		343	39	13 281	200
TV 36-024-06	1 493	0.90	0.10	1 210		1 210	39	47 057	512
TV 36-024-06	722	0.85	0.20	491		491	39	19 002	512
TOTAL-JUMPING POUND WEST	77 690			53 044	29 667	23 377		907 781	
KAHNTAH (SA) 097-18W5									
TOTAL-KAHNTAH	38			23		23		854	
KAKISA (SA) 117-01W6									
TOTAL-KAKISA	20			14		14		511	
KAKUT 075-03W6									
TOTAL-KAKUT	496			349	12	337		13 005	
KAKWA 064-05W6									
MAIN CARDIUM A ASSOC	826	0.85	0.10	632	-6	638	40	25 756	2 387
A CARDIUM A SOLN	1 708	0.65	0.15	944		944	43a	40 318	
A CARDIUM A ASSOC	1 120	c	c	840		840	43a	35 876	3 432
OTHER	3 065			2 017	345	1 672		66 870	
TOTAL-KAKWA	6 719			4 433	339	4 094		168 820	
KALELAND (SA) 054-13W4									
TOTAL-KALELAND	82			58		58		2 170	
KARR 065-03W6									
CADOTTE A	700	0.80	0.05	532		532	39	20 631	1 577
NOTIKEWIN C	1 283	0.90	0.10	1 040	11	1 029	39	40 306	1 013
NOTIKEWIN B	27	0.70	0.10	17			41		570
FALHER A	254	0.80	0.10	183			40		250
BLUESKY A	15 232	0.75	0.15	9 710			41		28 436
GETHING E	114	0.75	0.10	77			38		150
CADOMIN B	1 288	0.85	0.05	1 040			39		1 776
FT ST JOHN&BHL D MU#1 TOTAL	16 915	0.75	0.15	11 027	3 299	7 728	40	312 134	
WAB 15-065-04									
OTHER	559	0.80	0.25	335		335	38	12 790	150
TOTAL-KARR	3 522			2 371	307	2 064		80 356	
	22 979			15 305	3 617	11 688		466 217	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.40	0.184	0.65	8 890	56	0.878	0.62	1 384.6	1959	1991	DEEP CUT SL GARDNER POOD AMERADA HUSKY CWNGNUL A&S MATERIAL BALANCE CONCURRENT PRODUCTION, DEEP CUT SL
						0.87		1959	1990	A&S DEEP CUT SL, DRY GAS BREAKTHROUGH, GPP
						0.87		1959	1990	A&S DEEP CUT SL, DRY GAS BREAKTHROUGH, GPP
						0.87		1959	1990	A&S GPP, DEEP CUT SL
						0.87		1959	1990	A&S GPP, DEEP CUT SL
2.48	0.211	0.60	7 410	34	0.889	0.58	1 128.2	1973	1992	WAINOCO PANALTA BVI NORCEN
29.32	0.078	0.90	27 410	82	0.915	0.69	3 013.6	1944	1984	MATERIAL BALANCE DEEP CUT SL
55.94	0.079	0.90	27 410	82	0.915	0.69	2 867.2	1944	1984	MATERIAL BALANCE DEEP CUT SL
								1944	1983	CWNGNUL TCPL
40.58	0.061	0.85	29 470	83	0.917	0.74	3 476.7	1967	1986	CWNGNUL TCPL DEEP CUT SL
35.87	0.063	0.85	29 510	79	0.928	0.70	3 321.9	1961	1984	MATERIAL BALANCE TOP/BASE TVD, DEEP CUT SL
36.82	0.067	0.85	29 600	88	0.936	0.70	3 588.5	1963	1986	MATERIAL BALANCE TOP/BASE TVD
								1961	1984	CWNGNUL TCPL
13.41	0.100	0.75	30 561	104	0.976	0.66	3 430.1	1977	1979	CWNGNUL TCPL TOP/BASE TVD
28.20	0.070	0.80	22 630	103	0.927	0.65	3 496.9	1983	1987	CWNGNUL TCPL TOP/BASE TVD
20.60	0.058	0.60	23 960	105	0.917	0.72	3 554.2	1983	1986	CWNGNUL TCPL TOP/BASE TVD
3.69	0.087	0.70	13 410	49	0.769	0.68	1 667.6	1979	1990	SCEPTRE ESSO CANOR HUSKY CHEL UNOCAL
						0.85		1978	1990	TCPL SCEPTRE AMERADA CANOR CHEL UNOCAL
1.48	0.139	0.70	20 990	55	0.734	0.85	1 714.8	1978	1990	ESSO GAS CYCLING
										TCPL SCEPTRE AMERADA CANOR CHEL UNOCAL
										ESSO GAS CYCLING
4.01	0.133	0.55	15 110	58	0.858	0.58	1 962.3	1979	1989	PANALTA GULF HUSKY AEC
7.50	0.139	0.65	18 650	62	0.847	0.63	2 028.7	1988	1989	PANALTA GULF AEC HUSKY
3.34	0.115	0.60	12 250	55	0.781	0.73	1 944.4	1977	1989	PRODUCTION DECLINE
6.00	0.080	0.70	19 290		0.664	0.68	2 274.5	1982	1990	
3.31	0.113	0.70	19 560	69	0.795	0.77	2 291.5	1968	1991	
5.00	0.110	0.55	19 070	97	0.899	0.66	2 416.4	1979	1989	MATERIAL BALANCE
4.83	0.110	0.70	21 540	80	0.890	0.64	2 567.5	1979	1991	
								1968	1991	INVRNS NORCEN AMEAGLE PANCDN PANALTA HOME
22.00	0.080	0.80	34 730	108	0.980	1.02	3 622.0	1991	1992	ESSO GULF HUSKY CHEL AEC BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
KAYBOB 064-19W5									
UPPER MANNVILLE A	123	0.70	0.05	82			39		150
NOTIKWIN A	8 347	0.85	0.05	6 740			39		12 056
NOTIK A & U MANN A TOTAL	8 470	0.85	0.05	6 822	5 836	986	39	38 079	
NOTIKWIN B	5 692	0.90	0.05	4 867	4 498	369	38	13 948	13 652
NOTIKWIN E	1 932	0.85	0.05	1 560	1 380	180	38	6 914	8 127
GETHING K SOLN	328	0.65	0.55	96 ^b			39		
GETHING K ASSOC	2 696	0.75	0.10	1 820 ^b	1 547 ^b	369	39	14 454	2 634
GETHING L SOLN	4	0.65	0.15	3 ^b			40		
GETHING L ASSOC	459	0.80	0.10	330 ^b	186 ^b	147	40	5 814	888
GETHING J	415	0.85	0.10	318	64	254	39	9 924	551
GETHING H	907	0.75	0.10	612			40		1 563
GETHING T	58	0.75	0.10	40			39		150
GETHING H & T TOTAL	965	0.75	0.10	652	105	547	40	21 607	
BEAVERHILL LAKE A SOLN	8 826	0.45	0.20	3 178 ^b			43		
BEAVERHILL LAKE A ASSOC		0.70	0.15		2 497 ^b	681	43	29 229	
BEAVERHILL LAKE B SOLN	552	0.65	0.15	305 ^b			40		
BEAVERHILL LAKE B ASSOC	169	0.75	0.10	114 ^b	137 ^b	282	40	11 396	533
BEAVERHILL LAKE C	2 104	c	c	1 610	224	1 386	41a	56 951	1 763
OTHER	4 506			3 037	305	2 732		106 310	
TOTAL-KAYBOB	37 118			24 712	16 779	7 933		314 626	
KAYBOB SOUTH 060-18W5									
VIKING A	1 074	0.90	0.10	871	483	388	39	15 310	4 932
BLUESKY B	1 015	0.75	0.10	685	249	436	39	17 174	1 909
GETHING A	842	0.75	0.05	600	457	143	39	5 616	1 594
GETHING D	1 696	0.85	0.05	1 370	265	1 105	33	35 913	3 353
GETHING K	1 504	0.85	0.10	1 150	165	985	39	37 962	2 310
GETHING P	1 082	0.85	0.10	828	539	289	39	11 309	810
GETHING H	1 923	0.75	0.05	1 370	232	1 138	39	44 257	3 873
CADOMIN D	753	0.85	0.05	608	427	181	39	7 046	440
CADOMIN K	682	0.75	0.05	486	307	179	39	6 951	150
TRIASSIC A ASSOC	1 258	0.35	0.20	352 ^b			44		1 415
TRIASSIC A SOLN	4 294	0.53	0.25	1 707 ^b			44		
TRIASSIC A ASSOC	152	0.75	0.20	91 ^b			44		545
TRIASSIC A TOTAL	5 704	0.50	0.25	2 150 ^b	1 594 ^b	556	44	24 547	
TRIASSIC B	2 206	0.80	0.15	1 500	767	733	40	29 650	1 721
BLUERIDGE A	3 771	0.35	0.40	792	206	586	40	23 440	1 559
BLUERIDGE C	1 226	0.90	0.40	662	19	643	40	25 759	200
BLUERIDGE D	646	0.90	0.40	349	1	348	40	14 004	200
NISKU A	486	0.90	0.10	393		393	42	16 329	440
BEAVERHILL LAKE A	104 424	c	c	36 400	26 029	10 371	40a	418 988	24 074
OTHER	8 781			5 711	1 008	4 703		184 841	
TOTAL-KAYBOB SOUTH	137 815			55 925	32 748	23 177		919 096	
KEHIWIN 059-06W4									
GRAND RAPIDS A	610	0.75	0.05	435	340	95	38	3 620	3 515
OTHER	969			609	219	390		14 487	
TOTAL-KEHIWIN	1 579			1 044	559	485		18 107	
KEHO 011-22W4									
TOTAL-KEHO	934			506	295	211		7 450	
KELLY (SA) 073-19W4									
TOTAL-KELLY	50			28		28		1 043	
KELSEY 044-18W4									
BELLY RIVER B	667	0.75	0.05	475	468	7	38	263	4 623
OTHER	2 073			1 309	99	1 210		45 519	
TOTAL-KELSEY	2 740			1 784	567	1 217		45 782	
KEMP (SA) 098-23W5									
TOTAL-KEMP	14			9		9		333	
KENT 062-02W4									
GRAND RAPIDS B	508	0.65	0.05	314	169	145	38	5 439	3 502
GRAND RAPIDS D	494	0.65	0.05	305	91	214	37	7 967	902

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
6.70 4.16	0.180 0.189	0.65 0.65	10 780 10 550	64 40	0.872 0.828	0.62 0.63	1 557.1 1 543.4	1964 1957	1987 1991	MATERIAL BALANCE PANALTA A&S
2.84 1.93	0.159 0.164	0.65 0.65	9 790 11 890	56 56	0.876 0.856	0.61 0.61	1 488.0 1 379.6	1957 1978	1987 1989	GARDNER A&S MATERIAL BALANCE SUNCOR POCO NCMI PANALTA PROGAS PCI DIRECT MATERIAL BALANCE A&S PRODUCTION DECLINE CONCURRENT PRODUCTION
6.19	0.159	0.70	15 240	71	0.847	0.66	1 762.4	1957	1992	A&S PRODUCTION DECLINE CONCURRENT PRODUCTION
3.11 4.37 4.11 3.00	0.162 0.150 0.147 0.140	0.70 0.70 0.70 0.60	14 380 15 530 14 490 15 130	63 54 78 65	0.831 0.823 0.856 0.836	0.66 0.63 0.67 0.66	1 751.5 1 778.9 1 868.4 1 817.5	1957 1959 1981 1982	1989 1989 1992 1990	HILL A&S CONCURRENT PRODUCTION, SLUSH OIL HILL A&S CONCURRENT PRODUCTION, SLUSH OIL A&S PANALTA A&S GPP A&S GPP A&S GPP
3.11 10.60	0.057 0.060	0.75 0.75	30 520 30 540	108 108	0.958 0.911	0.73 1.03	2 930.7 2 948.1	1961 1972	1990 1990	A&S CONCURRENT PRODUCTION A&S CONCURRENT PRODUCTION A&S GAS CYCLING SCHEME
2.50 4.97 3.58 4.47 4.37	0.134 0.117 0.143 0.126 0.137	0.55 0.70 0.65 0.65 0.70	10 010 13 700 14 790 14 110 16 990	66 80 83 57 82	0.864 0.845 0.879 0.880 0.876	0.66 0.71 0.63 0.67 0.65	1 717.9 2 142.1 2 154.8 2 108.0 2 197.6	1960 1977 1959 1977 1971	1989 1991 1991 1991 1991	POCO NORCEN A&S NORCEN PROGAS PANALTA NORCEN OPINAC PROGAS PANALTA PROGAS PANALTA DEEP CUT SL SHERRIT POCO CNWE NORCEN HOME DEKALB PROGAS PANALTA GULF A&S NORCEN A&S PRODUCTION DECLINE PROGAS PANALTA TCPL PART OF GETTING POOL NO. 1
5.67 4.09	0.142 0.143	0.70 0.65	14 500 13 920	80 75	0.867 0.871	0.66 0.63	1 983.7 2 011.9	1961 1957	1991 1992	A&S PRODUCTION DECLINE A&S PRODUCTION DECLINE CONING GAS CAP, GPP CONING GAS CAP, GPP
2.15	0.088	0.80	17 060	73	0.760	0.82	2 079.2	1962	1992	GPP
3.47 21.18 45.90 37.80 12.20 30.48	0.111 0.060 0.060 0.050 0.050 0.078	0.75 0.85 0.90 0.75 0.80 0.80	19 310 25 220 22 750 23 220 28 270 31 720	91 106 84 97 108 115	0.867 0.845 0.733 0.783 0.932 0.880	0.70 0.88 1.02 0.95 0.73 1.01	2 376.6 2 902.5 2 576.6 2 732.5 2 907.7 3 286.2	1962 1976 1991 1991 1958 1961	1992 1986 1991 1992 1984 1985	INVRNS ATCOR A&S CONING GAS CAP, GPP HOME PROGAS TCPL MATERIAL BALANCE PROGAS PANALTA GULF DEEP CUT SL A&S CNG A&S TCPL GAS CYCLING SCHEME
2.46	0.295	0.80	2 840	15	0.938	0.57	397.2	1971	1990	TCPL
2.65	0.276	0.50	2 870	16	0.940	0.57	428.3	1974	1990	TCPL A&S PRODUCTION DECLINE
2.84 3.01	0.290 0.323	0.70 0.75	2 390 2 340	12 16	0.948 0.951	0.56 0.57	280.0 283.8	1967 1965	1991 1989	TRITON NORCEN SCEPTRE HOME ESSO PANALTA HUSKY BP CNG DIRECT DIRECT MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
KENT 062-02W4 (CONTINUED)									
OTHER	619			337	160	177		6 586	
TOTAL-KENT	1 621			956	420	536		19 992	
KIDNEY 091-04W5									
TOTAL-KIDNEY	322			156		156		5 387	
KILLAM 043-10W4									
UPPER&MIDDLE VIKING A	1 924	0.75	0.03	1 400	1 370	30	36	1 092	66 108
GLAUCONITIC HH	499	0.80	0.10	359	328	31	34	1 061	223
ELLERSLIE C	506	0.80	0.05	385	120	265	37	9 768	2 815
OTHER	7 477			4 794	1 866	2 928		106 426	
TOTAL-KILLAM	10 406			6 938	3 684	3 254		118 347	
KILLAM NORTH 044-13W4									
UPPER&MIDDLE VIKING A		0.70	0.03				36		61 118
BASAL MANNVILLE C		0.70	0.03				36		202
BASAL MANNVILLE U	56	0.65	0.05	34			37		200
NISKU A		0.70	0.03				36		32
U&M V A, BMN C&U &NIS TOTAL	1 677	0.70	0.05	1 135	1 029	106	37	3 974	
UPPER MANNVILLE P	468	0.75	0.05	333	125	208	37	7 777	1 323
OTHER	4 811			3 183	1 188	1 995		73 889	
TOTAL-KILLAM NORTH	6 956			4 651	2 342	2 309		85 640	
KILSYTH 065-04W5									
TOTAL-KILSYTH	30			19		19		644	
KIMIWAN 079-20W5									
TOTAL-KIMIWAN	277			197	140	57		2 105	
KINGMAN 049-19W4									
TOTAL-KINGMAN	449			288	75	213		7 891	
KINMUNDY 025-09W4									
TOTAL-KINMUNDY	37			25		25		943	
KIRBY 074-05W4									
UPPER MANNVILLE D	1 790	0.80	0.05	1 360	719	641	37	23 922	10 378
UPPER MANNVILLE J	683	0.70	0.05	454	27	427	37	15 782	8 002
UPPER MANNVILLE A	3 685	0.60	0.05	2 100			36		26 115
UPPER MANNVILLE K	1 057	0.75	0.05	753			37		5 635
UPPER MANNVILLE M	21	0.60	0.05	12			37		200
UPPER MANNVILLE W	6	0.50	0.05	3			37		200
UPPER MANNVILLE X	6	0.50	0.05	3			37		200
UPPER MANNVILLE Y	6	0.50	0.05	3			37		300
UPPER MANNVILLE Z	4	0.50	0.05	2			37		200
UPPER MANNVILLE CC	6	0.50	0.05	3			37		400
U MN A, K, M, W, X, Y, Z&CC TOTAL	4 791	0.65	0.05	2 879	583	2 296	36	83 391	
UPPER MANNVILLE C	2 982	0.60	0.05	1 700			37		46 729
UPPER MANNVILLE I	11 264	0.50	0.05	5 350			37		37 701
UPPER MANNVILLE R	13	0.50	0.05	7			37		200
UPPER MANNVILLE C, I&R TOTAL	14 259	0.50	0.05	7 057	4 609	2 448	37	90 772	
OTHER	3 407			1 760	229	1 531		56 783	
TOTAL-KIRBY	24 930			13 510	6 167	7 343		270 650	
KIRK WALL 027-05W4									
VIKING A	806	0.70	0.05	536	532	4	37	147	5 255
VIKING B	869	0.65	0.05	537	484	53	37	1 947	3 459
OTHER	396			251	19	232		8 709	
TOTAL-KIRK WALL	2 071			1 324	1 035	289		10 803	
KISKIU (SA) 057-02W6									
TOTAL-KISKIU	197			133		133		5 050	
KITSIM 017-16W4									
MILK RIVER A	188	0.70	0.05	125			36		2 998
MEDICINE HAT A	397	0.70	0.03	270			36		6 095
SE ALTA GAS SYS(MU) TOTAL	585	0.70	0.05	395		395	36	14 406	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.47	0.164	0.35	5 500	24	0.895	0.61	657.7	1917	1985	POCO NORCEN PCI PANALTA HOME CHEL BVI CNRL TCPL ESSO PART OF VIK POOL NO.2 MATERIAL BALANCE
4.52	0.270	0.85	7 060	31	0.867	0.69	952.2	1976	1990	TCPL PRODUCTION DECLINE
1.75	0.232	0.65	6 830	45	0.897	0.61	916.9	1957	1982	HOME TCPL
1.06	0.181	0.35	5 500	24	0.895	0.60	714.7	1917	1989	PART OF VIK POOL NO.2 MATERIAL BALANCE
0.91	0.240	0.50	6 070	28	0.891	0.60	827.4	1976	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
2.75	0.250	0.60	6 480	31	0.887	0.59	924.9	1978	1988	PART OF VIK POOL NO.2
3.30	0.200	0.65	5 240	28	0.905	0.60	832.3	1976	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
4.26	0.227	0.60	5 790	28	0.898	0.57	822.7	1917	1987	POCO HOME A&S TCPL PART OF VIK POOL NO.2
								1976	1990	TCPL
3.93	0.337	0.55	2 330	20	0.955	0.55	377.2	1977	1991	AEC AMOCO PROGAS PANALTA A&S
1.76	0.320	0.70	2 170	24	0.959	0.57	461.9	1978	1992	RIDALTO PANALTA PROGAS PCI A&S
4.07	0.305	0.70	1 610	18	0.969	0.57	287.6	1977	1991	
3.84	0.331	0.65	2 240	20	0.958	0.56	351.2	1978	1991	
2.10	0.350	0.60	2 320	20	0.955	0.56	377.0	1981	1989	
1.10	0.270	0.70	1 490	15	0.969	0.57	271.4	1981	1981	
1.00	0.280	0.70	1 420	17	0.971	0.57	276.2	1981	1981	
0.70	0.274	0.65	1 640	17	0.966	0.57	270.1	1981	1992	
0.70	0.290	0.65	1 600	16	0.968	0.56	227.8	1980	1982	
0.50	0.315	0.60	1 490	15	0.969	0.57	306.8	1981	1992	
2.13	0.307	0.65	1 490	18	0.970	0.55	314.7	1977	1992	PROGAS PANALTA AMOCO AEC EMI DART A&S
5.96	0.314	0.75	2 120	22	0.960	0.57	419.9	1977	1992	
1.80	0.320	0.70	1 580	19	0.968	0.57	340.1	1979	1979	
								1977	1992	PROGAS RIDALTO PCI PANALTA HUSKY AMOCO AEC DART A&S
1.19	0.303	0.65	6 570	31	0.893	0.57	796.9	1968	1987	CRESTAR AMEAGLE TCPL PRODUCTION DECLINE
1.88	0.290	0.60	6 600	31	0.891	0.58	759.3	1971	1988	CRESTAR PANALTA NCMI TCPL PRODUCTION DECLINE
3.30	0.154	0.55	3 140	16	0.937	0.56	416.4	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.51	0.170	0.55	4 310	17	0.916	0.56	505.1	1904	1987	PART OF MED HAT POOL NO.1
								1904	1987	NORCEN ESSO TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
KITSIM 017-16W4 (CONTINUED)									
OTHER	127			90	16	74		2 656	
TOTAL-KITSIM	712			485	16	469		17 062	
KITTY 085-12W5									
TOTAL-KITTY	34			23		23		847	
KIYA (SA) 096-24W5									
TOTAL-KIYA	16			10		10		375	
KLESKUN (SA) 072-02W6									
TOTAL-KLESKUN	27			19		19		697	
KNAPPEN 001-11W4									
LOWER MANNVILLE G	396	0.80	0.05	301	1	300	36	10 935	150
OTHER	495			339	142	197		7 289	
TOTAL-KNAPPEN	891			640	143	497		18 224	
KNELLER 049-23W4									
TOTAL-KNELLER	754			461	230	231		8 721	
KNOPCIK 074-11W6									
DOE CREEK A	1 126	0.75	0.10	761			40		5 284
DOE CREEK C	27	0.70	0.10	17			40		615
DOE CREEK A & C TOTAL	1 153	0.75	0.10	778	500	278	40	11 123	
PADDY B	576	0.75	0.10	389	132	257	41	10 429	974
PADDY C	711	0.80	0.10	512	324	188	40	7 561	1 155
JURASSIC E	492	0.85	0.15	355	36	319	41	13 207	200
JURASSIC B	1 730	0.70	0.10	1 090			41		3 465
JURASSIC C	261	0.80	0.10	188			40		200
JURASSIC B & C TOTAL	1 991	0.70	0.10	1 278	697	581	41	23 914	
DOIG B	1 666	0.80	0.10	1 200	74	1 126	38	42 495	1 204
OTHER	2 536			1 742	277	1 465		54 665	
TOTAL-KNOPCIK	9 125			6 254	2 040	4 214		163 394	
KOTCHO (SA) 112-11W6									
TOTAL-KOTCHO	3			2		2		72	
LA COREY 063-05W4									
TOTAL-LA COREY	401			230	2	228		8 495	
LA GLACE 074-08W6									
BLUESKY A	944	0.85	0.05	762	43	719	38	27 509	3 478
TOTAL-LA GLACE	944			762	43	719		27 509	
LAC LA BICHE 067-13W4									
TOTAL-LAC LA BICHE	361			228	184	44		1 632	
LACOMBE 040-26W4									
TOTAL-LACOMBE	638			438	207	231		8 866	
LAIT 001-10W4									
TOTAL-LAIT	860			610	369	241		8 890	
LAMBERT 051-22W5									
D-3 A	2 184	0.70	0.40	917	704	213	38	7 988	440
TOTAL-LAMBERT	2 184			917	704	213		7 988	
LAMONT 053-19W4									
TOTAL-LAMONT	56			36	1	35		1 329	
LANAWAY 036-03W5									
MANNVILLE ASSOC	626	0.70	0.15	372		372	40	14 794	748
ELKTON A SOLN	124	0.65	0.10	73 ^b			40		
ELKTON A ASSOC	348	0.80	0.10	250 ^b	48 ^b	275	40	11 008	408
OTHER	1 866			1 084	121	963		38 071	
TOTAL-LANAWAY	2 964			1 779	169	1 610		63 873	
LANE (SA) 065-07W4									
TOTAL-LANE	143			82	35	47		1 751	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
15.50	0.320	0.85	5 820	23	0.893	0.58	742.8	1981	1988	
2.67 0.84	0.188 0.159	0.65 0.50	6 210 6 170	39 33	0.867 0.862	0.66 0.65	898.0 906.6	1964 1985	1991 1989	
1.66 4.57 19.90 2.67 9.00	0.131 0.158 0.120 0.122 0.100	0.70 0.65 0.60 0.80 0.80	10 920 11 900 16 370 18 370 18 450	51 52 73 70 73	0.827 0.794 0.784 0.795 0.837	0.67 0.69 0.78 0.74 0.70	1 399.8 1 434.9 2 012.9 2 065.7 2 014.8	1964 1974 1984 1991 1980 1989	1991 1992 1991 1992 1989	NORCEN TCPL PROGAS POCO PANALTA ESSO PANALTA PRODUCTION DECLINE CRESTAR PANCDN EMI VECTOR A&S ESSO PANALTA
8.67	0.110	0.75	23 490	94	0.941	0.59	2 393.6	1980 1986	1991 1991	CRESTAR PROGAS POCO PANALTA ESSO NORCEN PROGAS
3.17	0.124	0.55	12 740	60	0.867	0.61	1 596.5	1979	1992	SCEPTRE ENCOR NORCEN ESSO BVI CWNGNUL CANST A&S
66.85	0.068	0.90	42 660	123	1.021	0.80	4 430.8	1979	1990	PANALTA MATERIAL BALANCE
4.73 7.44	0.122 0.100	0.80 0.65	17 140 17 490	68 71	0.788 0.820	0.78 0.71 0.71	2 234.9 2 377.8	1959 1973 1973	1983 1992 1992	SCEPTRE PROGAS UNIGAS A&S CONCURRENT PRODUCTION CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
LANFINE 025-05W4 TOTAL-LANFINE	41			29		29		1 073	
LARNE 116-03W6 TOTAL-LARNE	761			545	2	543		19 874	
LATHOM 020-18W4 MH SD 30-020-18	889	0.80	0.05	675		675	37	24 644	200
BOW ISLAND A	600	0.85	0.05	485	307	178	36	6 458	75
UPPER MANNVILLE R	595	0.85	0.10	455		455	38	17 372	494
OTHER	2 649			1 666	561	1 105		41 341	
TOTAL-LATHOM	4 733			3 281	868	2 413		89 815	
LATHROP (SA) 088-08W6 TOTAL-LATHROP	107			66		66		2 507	
LATOR 063-02W6 WAB 29-062-03	980	0.75	0.35	478		478	39	18 546	200
OTHER	741			475	43	432		17 072	
TOTAL-LATOR	1 721			953	43	910		35 618	
LATORNELL 063-01W6 TOTAL-LATORNELL	28			19		19		741	
LAWRENCE 041-12W5 TOTAL-LAWRENCE	697			460		460		17 969	
LEAHURST 039-18W4 TOTAL-LEAHURST	4 219			2 706	242	2 464		94 326	
LEAMAN 055-11W5 LOWER MANNVILLE F	838	0.85	0.10	641	465	176	40	7 107	1 668
NORDEGG B	1 286	0.85	0.10	984		984	39	38 307	2 284
OTHER	1 992			1 337	431	906		36 112	
TOTAL-LEAMAN	4 116			2 962	896	2 066		81 526	
LECKIE 019-17W4 MILK RIVER A	549	0.70	0.05	365			36		6 136
MEDICINE HAT A	233	0.70	0.05	155			36		4 539
MEDICINE HAT C	24	0.50	0.05	11			36		833
SE ALTA GAS SYS (MU) TOTAL	806	0.70	0.05	531	49	482	36	17 579	
OTHER	205			142	89	53		2 006	
TOTAL-LECKIE	1 011			673	138	535		19 585	
LEDDY 084-25W5 TOTAL-LEDDY	77			48		48		1 807	
LEDUC-WOODBEND 050-26W4 ELRS 051-26 ASSOC	812	0.85	0.15	587		587	40	23 222	1 459
ELRS 049-25	568	0.90	0.10	460		460	38	17 655	1 740
D-2 B SOLN	1 225	0.75	0.50	460	418	42	42	1 746	
D-2 A SOLN	3 761	0.62	0.40	1 399 ^b		43			
D-2 A ASSOC	1 072	0.85	0.15	774 ^b	2 025 ^b	148	43	6 416	3 954
D-3 A SOLN	5 998	0.66	0.30	2 771 ^b		40			
D-3 A ASSOC	11 540	0.89	0.15	8 730 ^b	7 237 ^b	4 264	40	171 328	6 753
OTHER	8 245			5 249	1 745	3 504		136 412	
TOTAL-LEDUC-WOODBEND	33 221			20 430	11 425	9 005		356 779	
LEECH (SA) 060-09W5 TOTAL-LEECH	37			25		25		965	
LEGAL 057-25W4 UPPER MANNVILLE B	377	0.85	0.05	304	49	255	38	9 736	440
OTHER	428			283	110	173		6 480	
TOTAL-LEGAL	805			587	159	428		16 216	
LEISMER 077-09W4 CLEARWATER A	24 291	0.65	0.05	15 000	7 999	7 001	37	262 047	72 924
OTHER	1 622			854		854		31 811	
TOTAL-LEISMER	25 913			15 854	7 999	7 855		293 858	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
71.50 13.70 9.48	0.130 0.181 0.165	1.00 0.75 0.65	4 600 8 530 10 480	26 36 36	0.915 0.877 0.814	0.60 0.58 0.65	659.6 1 019.9 1 148.0	1974 1972 1973	1992 1989 1991	TCPL PANCDN PANCDN TCPL MATERIAL BALANCE
22.50	0.095	0.85	38 910	135	1.006	0.81	3 956.0	1978	1984	NORCEN HOME BER
2.31 6.55	0.150 0.129	0.80 0.55	15 550 12 070	44 62	0.770 0.846	0.67 0.66	1 794.7 1 642.9	1972 1978	1985 1991	CRESTAR TCPL CRESTAR ESSO AEC CANST AMOCO
4.40 1.19 0.73	0.154 0.170 0.140	0.55 0.55 0.60	3 140 4 310 4 450	16 17 19	0.937 0.916 0.916	0.56 0.56 0.56	494.1 581.5 601.2	1910 1904 1973 1904	1987 1988 1988 1988	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE PART OF MED HAT POOL NO.1 PART OF MED HAT POOL NO.3 PANCDN TCPL
3.81 2.23	0.200 0.160	0.70 0.70	10 000 10 340	55 49	0.831 0.826	0.71 0.69 0.78 0.79	1 331.1 1 355.8	1948 1951 1950 1947	1989 1973 1985 1988	ESSO NORCEN GARDNER NORCEN ESSO GPP GARDNER NORCEN ESSO GPP 1947 1988 NORCEN ESSO CWNGNUL CONCURRENT PRODUCTION 1947 1992 NORCEN ESSO CWNGNUL CONCURRENT PRODUCTION
12.56 18.22	0.020 0.080	0.80 0.85	12 290 13 060	66 67	0.764 0.792	0.79 0.76	1 495.9 1 604.9	1947 1947	1988 1992	
6.34	0.235	0.60	8 590	31	0.839	0.62	963.9	1988	1989	CANST
4.55	0.283	0.70	1 980	9	0.956	0.55	269.6	1974	1988	RIDALTO NORCEN AMOCO PROGAS KANNGAZ CANOXY ESSO HOME MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 106m3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 106m3	NET CUMULATIVE PRODUCTION 106m3	REMAINING ESTABLISHED RESERVES 106m3	GROSS HEAT VALUE MJ/m3	REMAINING ENERGY CONTENT TJ	
LELAND 059-26W5 TOTAL-LELAND	43			29		29		1 135	
LEMING 065-04W4 UPPER MANNVILLE E	427	0.75	0.05	304	224	80	37	2 963	910
OTHER	2 303			1 337	576	761		27 906	
TOTAL-LEMING	2 730			1 641	800	841		30 869	
LEO 035-17W4 BELLY RIVER A	494	0.80	0.10	356	149	207	38	7 868	4 460
UPPER MANNVILLE F SOLN	19	0.65	0.10	11b			39		
UPPER MANNVILLE F ASSOC	2 778	0.80	0.10	2 000b	1 453b	558	39	21 617	4 382
OTHER	1 223			735	233	502		19 031	
TOTAL-LEO	4 514			3 102	1 835	1 267		48 516	
LEOPARD 009-20W4 TOTAL-LEOPARD	40			19	19				
LEPINE 064-03W5 TOTAL-LEPINE	88			56		56		2 124	
LESSARD 124-17W5 TOTAL-LESSARD	7			5		5		184	
LETHBRIDGE 008-21W4 TOTAL-LETHBRIDGE	19			14		14		512	
LIEGE 093-21W4 WABISKAW A	2 674	0.50	0.05	1 270			37		44 725
WABISKAW C	84	0.50	0.05	40			37		2 623
WABISKAW D	363	0.50	0.05	173			37		4 298
MCMURRAY A	1 020	0.50	0.05	485			37		19 393
MCMURRAY B	12	0.50	0.05	6			37		300
MCMURRAY C	1 370	0.50	0.05	651			37		32 186
MCMURRAY D	22	0.60	0.05	12			36		200
MCMURRAY E	4	0.50	0.05	2			37		334
MCMURRAY F	37	0.50	0.05	18			37		1 285
NISKU-U IRETON-GSMT A	5 802	0.50	0.05	2 756			36		92 211
GROSMONT A	7 018	0.60	0.05	4 000			36		67 913
GROSMONT D	19	0.50	0.05	10			37		200
GROSMONT E	2 105	0.65	0.05	1 300			37		10 142
GROSMONT H	33	0.55	0.05	17			37		400
LEDUC A	2 982	0.60	0.05	1 700			37		19 737
MANN-DEVONIAN MU#1 TOTAL	23 545	0.55	0.05	12 440	9 563	2 877	37	105 126	
GROSMONT G	610	0.55	0.05	319	215	104	37	3 804	4 950
OTHER	185			100		100		3 667	
TOTAL-LIEGE	24 340			12 859	9 778	3 081		112 597	
LIMESTONE 033-10W5 RUNDLE D	600	0.85	0.15	434	215	219	39	8 460	530
RUNDLE G	540	0.80	0.10	389	284	105	39	4 048	229
RUNDLE I	2 713	0.20	0.15	462	108	354	39	13 675	1 294
RUNDLE P	907	0.70	0.20	508	127	381	39	14 726	200
RUNDLE A		0.85	0.20				39		1 457
RUNDLE B		0.85	0.20				39		1 752
RUNDLE A & B TOTAL	10 368	0.85	0.20	7 050	4 417	2 633	39	101 713	
RUNDLE E		0.70	0.20				39		672
RUNDLE F		0.70	0.20				39		652
RUNDLE E & F TOTAL	2 071	0.70	0.20	1 160	710	450	39	17 370	
RUNDLE C	5 688	0.85	0.15	4 110			39		1 732
RUNDLE M	1 079	0.85	0.20	734			39		400
LEDUC C	177	0.75	0.30	93			37		200
RUNDLE C,M & LEDUC C TOTAL	6 944	0.85	0.15	4 937	1 535	3 402	39	131 759	
WABAMUN A	3 921	0.85	0.25	2 500	1 613	887	38	33 999	2 037
WABAMUN B	2 216	0.50	0.40	665	347	318	38	12 046	1 066
NISKU A	205	0.75	0.35	100			37		200

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.82	0.329	0.75	2 670	20	0.948	0.56	429.0	1978	1990	ESSO PRODUCTION DECLINE
2.32	0.254	0.55	3 230	18	0.924	0.62	530.0	1973	1988	NORCEN PANCDN ATCOR AMOCO SCEPTRE PANALTA
						0.66		1971	1989	NCMI TCPL A&S ESSO
4.80	0.213	0.70	8 030	35	0.837	0.66	1 122.9	1971	1989	WAINOCO PANCDN ATCOR TCPL CONCURRENT PRODUCTION
										WAINOCO PANCDN ATCOR TCPL CONCURRENT PRODUCTION
3.90	0.309	0.55	900	16	0.982	0.58	213.1	1959	1990	
2.21	0.302	0.50	940	10	0.979	0.57	221.7	1974	1987	
3.82	0.293	0.80	920	10	0.980	0.58	223.3	1978	1992	
3.71	0.291	0.55	890	18	0.982	0.58	292.3	1980	1990	
2.10	0.293	0.80	840	15	0.983	0.57	234.4	1985	1990	
3.66	0.265	0.50	880	17	0.983	0.58	257.0	1980	1990	
1.80	0.310	0.75	880	17	0.982	0.58	285.9	1985	1988	PRODUCTION DECLINE
0.90	0.306	0.45	900	22	0.983	0.55	410.1	1980	1987	
2.67	0.252	0.45	920	8	0.979	0.58	231.1	1986	1989	
14.70	0.193	0.25	920	27	0.984	0.58	259.4	1974	1992	
18.68	0.119	0.45	930	18	0.981	0.58	345.4	1976	1990	MATERIAL BALANCE
4.60	0.250	0.85	960	17	0.980	0.57	274.2	1975	1988	
12.09	0.161	0.40	920	10	0.980	0.58	243.8	1981	1992	MATERIAL BALANCE
13.40	0.120	0.25	2 000	17	0.959	0.57	260.1	1985	1990	
15.21	0.144	0.35	890	17	0.982	0.58	285.6	1980	1990	PRODUCTION DECLINE
								1959	1992	SUNCOR SHERRIT NOVER RIOALTO CANST A&S HOME PROGAS PANALTA ESSO CANOXY OMV PCI UNOCAL PARAMNT
6.89	0.124	0.30	880	15	0.981	0.58	243.6	1985	1992	RIOALTO PANALTA PARAMNT MATERIAL BALANCE
15.43	0.066	0.82	26 050	80	0.915	0.67	3 557.0	1975	1988	TCPL MATERIAL BALANCE
13.87	0.060	0.80	31 300	88	0.999	0.62	3 737.0	1977	1992	HUSKY CNG PRODUCTION DECLINE TOP/BASE TVD. PRODUCING LOC IS 11-5
16.75	0.063	0.90	26 020	87	0.931	0.65	3 414.9	1979	1992	TCPL TOP/BASE TVD
45.00	0.050	0.90	25 310	82	0.905	0.69	3 483.2	1986	1989	TCPL TOP/BASE TVD
22.78	0.079	0.90	24 460	83	0.898	0.69	3 056.7	1975	1991	MATERIAL BALANCE TOP/BASE TVD
8.26	0.075	0.85	24 460	83	0.890	0.71	3 193.5	1975	1991	MATERIAL BALANCE TOP/BASE TVD
								1975	1991	TCPL
19.43	0.066	0.80	24 660	83	0.899	0.69	3 105.2	1976	1991	PRODUCTION DECLINE TOP/BASE TVD
5.68	0.063	0.75	24 660	83	0.899	0.69	3 247.3	1976	1991	PRODUCTION DECLINE TOP/BASE TVD
								1976	1991	TCPL
20.02	0.079	0.90	23 780	62	0.875	0.67	2 828.7	1974	1991	TOP/BASE TVD
17.80	0.073	0.90	24 900	72	0.890	0.69	3 094.5	1988	1991	TOP/BASE TVD
24.38	0.050	0.80	31 890	91	0.941	0.74	3 870.5	1974	1989	PRODUCTION DECLINE TOP/BASE TVD
								1974	1992	TCPL A&S
20.58	0.052	0.80	30 250	125	0.972	0.72	3 748.0	1975	1992	GULF A&S TCPL PRODUCTION DECLINE TOP/BASE TVD
17.65	0.055	0.85	31 160	116	0.904	0.81	3 755.9	1976	1992	TCPL
8.64	0.060	0.80	28 980	96	0.902	0.78	3 492.0	1976	1978	TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
LIMESTONE 033-10W5 (CONTINUED)									
LEDUC A	1 459	0.75	0.35	711			37		200
NISKU A & LEDUC A TOTAL	1 664	0.75	0.35	811	388	423	37	15 774	
NISKU B	675	0.75	0.35	329			37		200
LEDUC B	956	0.85	0.35	528			37		200
NISKU B & LEDUC B TOTAL	1 631	0.80	0.35	857	245	612	37	22 901	
OTHER	459			293	181	112		4 296	
TOTAL-LIMESTONE	34 034			20 066	10 170	9 896		380 767	
LINDBERGH 057-05W4 TOTAL-LINDBERGH	6 457			3 939	1 401	2 538		93 892	
LINK 034-17W4 TOTAL-LINK	732			443	363	80		2 993	
LITTLE BOW 015-19W4									
UPPER MANNVILLE A	581	0.90	0.10	471	453	18	38	680	300
UPPER MANNVILLE RR	582	0.85	0.10	446	59	387	37	14 222	450
OTHER	7 011			4 270	1 031	3 239		120 856	
TOTAL-LITTLE BOW	8 174			5 187	1 543	3 644		135 758	
LITTLE SMOKY 067-22W5 TOTAL-LITTLE SMOKY	557			383	2	381		14 749	
LIVOCK (SA) 085-23W4 TOTAL-LIVOCK	2			1		1		37	
LLOYDMINSTER 050-01W4 COLONY	610	0.60	0.05	348	252	96	35	3 376	4 600
SPARKY DD	501	0.70	0.05	333	71	262	35	9 044	2 724
SPARKY ASSOC	58	0.70	0.05	39b			36		281
SPARKY SOLN	783	0.57	0.50	223b			36		
SPARKY ASSOC	34	0.65	0.05	21b			36		123
SPARKY ASSOC	13	0.70	0.05	9b			36		70
SPARKY ASSOC	3	0.70	0.05	2b			36		29
SPARKY	2	0.70	0.05	1b			36		16
SPARKY ASSOC	11	0.65	0.05	7b			36		100
SPARKY	6	0.70	0.05	4b			36		101
SPARKY	8	0.70	0.05	6b			36		128
GENERAL PETROLEUM C ASSOC	5	0.70	0.05	4b			36		75
SPARKY & GEN PETE C&D TOTAL	923	0.60	0.40	316b	305b	11	36	395	
OTHER	4 287			2 429	427	2 002		71 638	
TOTAL-LLOYDMINSTER	6 321			3 426	1 055	2 371		84 453	
LOCHEND 027-03W5									
CARDIUM A SOLN	1 228	0.65	0.20	638			41		
CARDIUM A, C & E TOTAL	1 228	0.65	0.20	638	229	409	41	16 728	
OTHER	29			16		16		648	
TOTAL-LOCHEND	1 257			654	229	425		17 376	
LOCHINVAR (SA) 041-26W4 TOTAL-LOCHINVAR	149			97		97		3 604	
LOGAN 072-13W4 TOTAL-LOGAN	73			45		45		1 664	
LOMOND 018-12W4 TOTAL-LOMOND	107			61		61		2 331	
LONE 089-04W6 TOTAL-LONE	96			64		64		2 399	
LONE PINE CREEK 030-28W4									
WABAMUN A	16 256	0.75	0.27	8 900	7 365	1 535	37	56 319	17 337
D-3 A SOLN	557	0.65	0.33	243b			35		
D-3 A ASSOC	3 074	0.50	0.33	1 030b	1 075b	198	35	6 974	1 835
OTHER	827			491	94	397		15 051	
TOTAL-LONE PINE CREEK	20 714			10 664	8 534	2 130		78 344	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
55.10	0.060	0.80	31 890	91	0.903	0.80	3 611.9	1976	1992	TOP/BASE TVD
20.15	0.075	0.80	31 710	88	0.895	0.81	3 842.8	1976	1978	TCPL
25.35	0.080	0.85	31 930	89	0.905	0.80	3 913.1	1976	1988	TOP/BASE TVD
								1976	1992	TOP/BASE TVD
										TCPL
4.30	0.195	0.65	11 580	41	0.806	0.67	1 215.9	1965	1992	ALT/ROA TCPL PRODUCTION DECLINE
5.93	0.231	0.70	12 000	38	0.813	0.66	1 189.8	1980	1989	PROGAS CANST NONCOMMERCIAL OIL
4.30	0.300	0.60	3 050	19	0.943	0.58	536.8	1943	1985	NORCEN AEL HUSKY CWNGNUL MATERIAL BALANCE
2.01	0.285	0.75	4 110	21	0.928	0.58	611.5	1966	1984	COMPOSITE COLONY RESERVE, SLUSH OIL
1.99	0.320	0.90	3 480	23	0.935	0.58	587.4	1943	1992	AMEAGLE HUSKY
						0.58		1943	1992	CONCURRENT PRODUCTION
3.01	0.320	0.80	3 480	21	0.934	0.59	580.8	1943	1992	CONCURRENT PRODUCTION
1.77	0.320	0.90	3 480	23	0.936	0.59	585.5	1943	1992	ASSIGNED WELL 05-28-049-01W4M
1.17	0.320	0.90	3 480	23	0.936	0.59	596.1	1943	1992	
1.20	0.320	0.80	4 010	24	0.929	0.58	595.4	1943	1992	ASSIGNED WELL 05-28-049-01W4M
1.24	0.320	0.80	3 480	21	0.934	0.58	593.8	1943	1992	ASSIGNED WELL AO/02-29-049-01W4M
0.61	0.300	0.80	3 890	24	0.931	0.58	581.4	1943	1992	ASSIGNED WELL AO/12-23-050-02W4M
0.70	0.310	0.70	4 060	24	0.928	0.58	600.2	1943	1992	ASSIGNED WELL O1-02-050-02W4M
0.91	0.251	0.65	4 110	24	0.914	0.63	606.1	1977	1992	
								1943	1992	NORCEN HUSKY CWNGNUL CONCURRENT PRODUCTION
						0.75		1961	1992	
								1961	1992	
10.62	0.086	0.80	24 410	83	0.878	0.76	2 429.0	1955	1989	POCO PANCDN KANNGAZ PROGAS PANALTA MOBIL
						0.78		1963	1985	TCPL MATERIAL BALANCE
17.43	0.070	0.85	22 480	83	0.862	0.78	2 427.1	1963	1985	NORCEN TCPL PRODUCTION DECLINE CONCURRENT
										PRODUCTION, OIL DEPLETED
										NORCEN TCPL PRODUCTION DECLINE CONCURRENT
										PRODUCTION, OIL DEPLETED

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
LONG COULEE 016-21W4 GLAUCONITIC F SOLN	82	0.65	0.25	40 ^b			38		
GLAUCONITIC F ASSOC	1 985	0.80	0.20	1 270 ^b	1 308 ^b	2	38	77	1 543
GLAUCONITIC I	1 721	0.85	0.20	1 170	1 168	2	38	76	2 880
GLAUCONITIC Z	603	0.85	0.20	410	54	356	38	13 610	150
SUNBURST D	800	0.90	0.15	612	369	243	39	9 392	1 359
SUNBURST G	2 920	0.80	0.25	1 752	1 573	179	38	6 879	3 206
OTHER	5 714			3 360	791	2 569		97 054	
TOTAL-LONG COULEE	13 825			8 614	5 263	3 351		127 088	
LOOKOUT BUTTE 001-28W4 RUNDLE A	13 818	0.55	0.25	5 700	5 604	96	40	3 882	2 858
TOTAL-LOOKOUT BUTTE	13 818			5 700	5 604	96		3 882	
LOON 085-09W5 TOTAL-LOON	514			284		284		11 109	
LOSEMAN (SA) 067-02W4 TOTAL-LOSEMAN	49			27		27		1 005	
LOST 084-01W6 TOTAL-LOST	51			33		33		1 236	
LOUISE (SA) 064-15W5 TOTAL-LOUISE	220			139		139		5 458	
LOUSANA 036-21W4 TOTAL-LOUSANA	111			57		57		2 160	
LOVETT RIVER 047-19W5 NORD 19-046-18	596	0.85	0.10	456		456	40	18 208	200
RUNDLE A	1 788	0.50	0.10	805		805	39	31 129	1 142
OTHER	794			518		518		19 764	
TOTAL-LOVETT RIVER	3 178			1 779		1 779		69 101	
LUCKY 061-18W4 TOTAL-LUCKY	1 464			999	435	564		21 113	
LUNNFORD 059-03W5 TOTAL-LUNNFORD	388			249	5	244		9 435	
LYLE 073-18W4 TOTAL-LYLE	114			65		65		2 404	
LYNDON (SA) 013-30W4 TOTAL-LYNDON	106			72		72		2 772	
LYNX 062-09W6 DUNVEGAN B	536	0.70	0.10	338	297	41	40	1 627	200
OTHER	766			554	95	459		17 724	
TOTAL-LYNX	1 302			892	392	500		19 351	
MAJEAU 056-04W5 TOTAL-MAJEAU	2 114			1 435	527	908		35 788	
MAJORVILLE 018-19W4 UPPER MANNVILLE F	736	0.85	0.10	563	78	485	38	18 537	300
UPPER MANNVILLE K	561	0.75	0.05	400	124	276	38	10 480	150
OTHER	2 451			1 643	444	1 199		45 257	
TOTAL-MAJORVILLE	3 748			2 606	646	1 960		74 274	
MALMO 043-22W4 ELLERSLIE C ASSOC	490	0.75	0.10	331	72	259	39	10 078	300
D-3 B	1 813	0.85	0.15	1 310	538	772	35	26 873	981
OTHER	2 027			994	310	684		26 336	
TOTAL-MALMO	4 330			2 635	920	1 715		63 287	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
						0.77		1967	1990	CRESTAR NOVER TCPL NCMI PRODUCTION DECLINE GPP
2.64	0.186	0.80	10 520	41	0.806	0.77	1 462.4	1967	1990	CRESTAR NOVER TCPL NCMI PRODUCTION DECLINE GPP
2.56	0.192	0.85	12 570	43	0.791	0.77	1 417.7	1974	1991	CRESTAR ESSO PANALTA TCPL
17.50	0.220	0.90	10 790	49	0.822	0.79	1 339.8	1989	1989	CRESTAR TCPL
3.69	0.154	0.60	13 140	43	0.773	0.75	1 427.3	1982	1989	NOVER SUMMIT NRTHSTR NCMI TCPL AMOCO A&S MATERIAL BALANCE NONCOMMERCIAL OIL
4.22	0.142	0.60	13 270	44	0.758	0.84	1 446.0	1960	1992	CRESTAR ESSO PANALTA TCPL PRODUCTION DECLINE
35.16	0.063	0.80	32 850	88	0.936	0.98	3 626.1	1959	1984	TCPL MATERIAL BALANCE PREVIOUS GAS CYCLING
20.70	0.070	0.85	30 890	102	0.968	0.68	3 549.0	1979	1992	PANALTA TOP/BASE TVD
13.72	0.052	0.85	33 770	95	1.011	0.59	3 587.6	1958	1984	PANALTA BER TOP/BASE TVD
9.40	0.070	0.70	27 010	86	0.921	0.64	3 084.1	1980	1992	PANALTA HUSKY PRODUCTION DECLINE
10.25	0.223	0.75	12 740	41	0.806	0.64	1 390.6	1981	1987	BVI
14.00	0.243	0.85	11 930	44	0.828	0.63	1 357.8	1987	1989	SASKOIL NORCEN
2.90	0.220	0.55	10 210	67	0.851	0.71	1 398.7	1983	1988	NORCEN TCPL ATCOR MATERIAL BALANCE CONCURRENT PRODUCTION
15.24	0.093	0.85	15 080	61	0.837	0.74	1 620.1	1959	1987	NORCEN TCPL A&S

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
MANIR 072-04W6 WAB 25-072 ASSOC OTHER TOTAL-MANIR	793 788 1 581	0.80	0.20	507 575 1 082	5 5	507 570 1 077	40	20 209 22 130 42 339	400
MANITO 042-20W4 TOTAL-MANITO	356			239	18	221		7 917	
MANNING (SA) 090-25W5 TOTAL-MANNING	60			40		40		1 498	
MANNVILLE 051-08W4 UPPER&MIDDLE VIKING B UPPER MANNVILLE C UPPER MANNVILLE F OTHER TOTAL-MANNVILLE	1 121 796 2 035 6 415 10 367	0.50 0.70 0.60	0.05 0.05 0.05	533 529 1 160 4 249 6 471	236 492 606 1 952 3 286	297 37 554 2 297 3 185	37 37 38	10 891 1 381 21 152 85 335 118 759	12 555 2 523 5 522
MANNVILLE SOUTH (SA) 049-08W4 TOTAL-MANNVILLE SOUTH	33			21		21		778	
MANNY 076-21W4 TOTAL-MANNY	168			87		87		3 222	
MANOLA 058-02W5 TOTAL-MANOLA	687			436	147	289		11 033	
MANYBERRIES 005-05W4 BOW ISLAND A SUNBURST O SOLN SUNBURST O ASSOC OTHER TOTAL-MANYBERRIES	789 131 329 2 634 3 883	0.90 0.65 0.70	0.05 0.05 0.05	675 81 ^b 219 ^b 1 645 2 620	560 178 ^b 629 1 367	115 37 122 1 016 1 253	35 37 37	4 041 4 545 37 115 45 701	2 970 140
MANYBERRIES SOUTH (SA) 003-06W4 TOTAL-MANYBERRIES SOUTH	88			67		67		2 468	
MARGIE 074-09W4 TOTAL-MARGIE	72			37		37		1 372	
MARIE 065-02W4 TOTAL-MARIE	754			424	66	358		13 322	
MARKERVILLE 036-02W5 PEKISKO A OTHER TOTAL-MARKERVILLE	1 861 1 673 3 534	0.80	0.10	1 340 1 166 2 506	357 209 566	983 957 1 940	40	39 251 38 056 77 307	3 000
MARLBORO 055-19W5 LEDUC A OTHER TOTAL-MARLBORO	6 123 159 6 282	0.70	0.30	3 000 112 3 112	1 713 1 713	1 287 112 1 399	37	47 928 4 347 52 275	679
MARLOWE 122-21W5 TOTAL-MARLOWE	15			10		10		354	
MARTEN 076-04W5 TOTAL-MARTEN	288			165		165		6 163	
MARTEN HILLS 075-25W4 GRAND RAPIDS A WABISKAW C WABISKAW A WABAMUN A WBSK A & WAB A TOTAL WABAMUN C OTHER	579 622 23 553 9 069 32 622 1 104 3 568	0.75 0.80 0.80 0.65 0.75 0.75	0.05 0.05 0.05 0.05 0.05 0.05	413 473 17 900 5 600 23 500 787 2 034	1 143 18 827 2 352	412 330 4 673 785 1 682	37 37 37 37 37	15 306 12 227 173 462 29 053 62 495	3 973 3 089 85 439 32 374 8 284

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
23.10	0.044	0.75	29 380	80	0.910	0.75	2 736.8	1983	1988	AMERADA HUSKY
1.94	0.197	0.50	4 470	24	0.916	0.59	522.8	1972	1989	TCPL PANALTA CWNGNUL
2.28	0.250	0.65	4 600	28	0.918	0.57	530.5	1970	1984	TCPL MATERIAL BALANCE
3.72	0.286	0.75	4 340	21	0.909	0.58	588.2	1971	1989	TCPL
2.86	0.251	0.60	5 930	27	0.902	0.59	792.1	1947	1990	CMG MATERIAL BALANCE
						0.59		1971	1992	CMG PRODUCTION DECLINE CONCURRENT
1.69	0.215	0.55	8 890	30	0.850	0.59	1 092.9	1971	1992	PRODUCTION
										CMG PRODUCTION DECLINE CONCURRENT
										PRODUCTION
10.60	0.065	0.75	18 330	76	0.821	0.74	2 274.6	1976	1991	PANCDN PROGAS KANNGAZ A&S POCO ESSO
										MATERIAL BALANCE
59.46	0.063	0.90	34 520	130	0.987	0.73	3 686.5	1965	1987	A&S MATERIAL BALANCE
4.05	0.332	0.50	2 070	21	0.960	0.56	536.2	1962	1992	TCPL
4.07	0.287	0.60	2 960	35	0.952	0.56	794.3	1971	1975	TCPL DIRECT
4.34	0.277	0.65	2 700	27	0.951	0.56	653.7	1961	1985	MATERIAL BALANCE
11.39	0.155	0.55	2 710	28	0.952	0.57	716.5	1961	1982	
4.66	0.166	0.65	2 740	35	0.954	0.57	773.0	1966	1987	UNIGAS KANNGAZ CANST CNRL ULSTER PINCL
										HOME PANALTA HUSKY ATCOR TCPL VECTOR
										DIRECT TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
MARTEN HILLS 075-25W4 (CONTINUED)									
TOTAL-MARTEN HILLS	38 495			27 207	19 325	7 882		292 543	
MARWAYNE 053-03W4									
TOTAL-MARWAYNE	509			332		332		12 126	
MATZIWIN 024-14W4									
MILK RIVER A	2 827	0.70	0.05	1 880			36		19 157
MEDICINE HAT A	2 106	0.70	0.03	1 430			36		16 605
MEDICINE HAT C	68	0.50	0.03	33			36		2 328
MEDICINE HAT D	208	0.50	0.03	101			36		5 922
SECOND WHITE SPECKS A	84	0.75	0.05	60			36		1 278
SE ALTA GAS SYS(MU) TOTAL	5 293	0.70	0.05	3 504	1 327	2 177	36	79 395	
OTHER	1 287			840	313	527		19 997	
TOTAL-MATZIWIN	6 580			4 344	1 640	2 704		99 392	
MAY (SA) 075-11W4									
TOTAL-MAY	17			13		13		485	
MCADAM (SA) 082-14W4									
TOTAL-MCADAM	37			22		22		811	
MCGREGOR 017-20W4									
TOTAL-MCGREGOR	1 224			767	115	652		24 486	
MCGUFFIN (SA) 066-12W4									
TOTAL-MCGUFFIN	361			199		199		7 314	
MCKINLEY 065-22W5									
TOTAL-MCKINLEY	514			346	55	291		11 592	
MCLAUGHLIN 046-01W4									
TOTAL-MCLAUGHLIN	145			90	21	69		2 303	
MCLEANS CREEK 074-21W5									
TOTAL-MCLEANS CREEK	318			213		213		7 453	
MCLEOD 054-14W5									
CARDIUM A SOLN	13	0.60	0.10	7 ^b			38		
CARDIUM A ASSOC	1 175	0.75	0.10	793 ^b	728 ^b	72	38	2 747	5 086
GETHING D	977	0.85	0.15	706	110	596	40	24 084	1 694
GETHING O	718	0.75	0.10	485	43	442	40	17 777	1 200
GETHING C	1 823	0.75	0.10	1 230			40		1 950
GETHING H	1 193	0.60	0.10	644			40		1 868
ROCK CREEK A	2 270	0.70	0.10	1 430			40		3 214
GETH C,H & ROCK CK A TOTAL	5 286	0.70	0.10	3 304	628	2 676	40	107 334	
WINT 31-054-14	988	0.90	0.40	533		533	42	22 530	200
OTHER	2 819			1 922	159	1 763		69 368	
TOTAL-MCLEOD	11 976			7 750	1 668	6 082		243 840	
MCMILLAN 074-17W4									
GROSMONT A	593	0.70	0.05	394	308	86	37	3 174	4 702
OTHER	331			187	135	52		1 934	
TOTAL-MCMILLAN	924			581	443	138		5 108	
MCMULLEN 077-26W4									
WABISKAW A		0.65	0.05				37		2 978
WABAMUN A		0.65	0.05				37		200
WBSK A & WAB A TOTAL	918	0.65	0.05	567	507	60	37	2 230	
OTHER	329			183	17	166		6 178	
TOTAL-MCMULLEN	1 247			750	524	226		8 408	
MEADOW 062-25W4									
TOTAL-MEADOW	163			116	5	111		4 175	
MEANDER (SA) 115-21W5									
TOTAL-MEANDER	11			7		7		267	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
4.06	0.154	0.55	3 140	16	0.937	0.56	411.4	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.94	0.170	0.55	4 310	17	0.916	0.56	497.2	1904	1987	PART OF MED HAT POOL NO.1
0.74	0.139	0.60	4 450	19	0.916	0.56	497.9	1973	1987	PART OF MED HAT POOL NO.3
0.89	0.139	0.60	4 450	19	0.916	0.56	526.7	1973	1987	PART OF MED HAT POOL NO.4
0.85	0.216	0.60	5 690	27	0.904	0.56	694.1	1944	1987	PART OF 2WS POOL NO.1
								1904	1986	CRESTAR CANST AMERADA A&S PANALTA TCPL CNG
4.81	0.093	0.55	9 260	56	0.852	0.68	1 516.6	1972	1988	CRESTAR NORCEN SCEPTRE ESSO ATCOR NRTHRGE TCPL A&S CHEL CONCURRENT PRODUCTION
3.92	0.135	0.65	16 450	73	0.806	0.75	2 125.7	1982	1992	CRESTAR NORCEN SCEPTRE ESSO ATCOR NRTHRGE TCPL A&S CHEL CONCURRENT PRODUCTION
3.03	0.150	0.70	15 650	76	0.834	0.69	2 121.7	1984	1991	CRESTAR POOCO ATCOR NRTHRGE CHEL CANOXY A&S NRTHRGE POOCO
5.79	0.146	0.65	16 710	71	0.812	0.72	2 055.3	1980	1990	
3.50	0.163	0.70	15 950	70	0.827	0.68	1 960.3	1987	1990	
4.68	0.150	0.60	16 910	70	0.836	0.68	1 982.0	1983	1991	NONCOMMERCIAL OIL
								1963	1990	CRESTAR SCEPTRE NORCEN NRTHSTR AMOCO POOCO NRTHRGE MOBIL CANOXY A&S BER
27.76	0.080	0.80	26 480	80	0.767	0.90	2 652.7	1976	1977	
9.77	0.120	0.40	2 050	19	0.960	0.57	464.4	1971	1992	CNRL PRODUCTION DECLINE
3.46	0.310	0.75	2 740	19	0.946	0.56	547.7	1968	1991	PRODUCTION DECLINE
5.80	0.160	0.60	2 630	19	0.948	0.56	547.9	1968	1991	PRODUCTION DECLINE
								1968	1991	CANST CNRL HOME DART TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
MEANOOK 063-22W4 TOTAL-MEANOOK	1 325			902	543	359		13 499	
MEDALLION 019-27W4 RUNDLE A	591	0.75	0.20	354	32	322	39	12 680	400
OTHER	292			200	15	185		7 216	
TOTAL-MEDALLION	883			554	47	507		19 896	
MEDICINE HAT 013-03W4 MILK RIVER A	46 016	0.70	0.05	30 600			36		379 324
MEDICINE HAT A	79 302	0.65	0.03	50 000			36		473 775
SECOND WHITE SPECKS P	6	0.80	0.05	5			36		128
SECOND WHITE SPECKS J	413	0.80	0.05	314			36		5 180
LOWER COLORADO SAND A	351	0.75	0.05	250			36		5 560
MEDICINE HAT C	5 360	0.50	0.03	2 600			36		150 927
MEDICINE HAT D	4 948	0.50	0.03	2 400			36		130 618
SECOND WHITE SPECKS A	7 299	0.75	0.05	5 200			36		65 547
SECOND WHITE SPECKS M	11	0.80	0.05	9			36		200
SECOND WHITE SPECKS D	2 106	0.70	0.05	1 400			36		25 157
SECOND WHITE SPECKS K	5	0.75	0.05	4			36		200
SECOND WHITE SPECKS L	13	0.80	0.05	10			37		200
SE ALTA GAS SYS(MU) TOTAL	145 830	0.65	0.05	92 792	77 624	15 168	36	552 874	
SECOND WHITE SPECKS F	458	0.75	0.05	327		327	37	11 939	1 800
BOW ISLAND B	1 267	0.40	0.05	482	436	46	36	1 666	3 540
BOW ISLAND L	510	0.80	0.05	388	387	1	37	37	3 642
OTHER	6 337			4 438	1 634	2 804		100 845	
TOTAL-MEDICINE HAT	154 402			98 427	80 081	18 346		667 361	
MEDICINE LODGE 052-21W5 CARD SD 20-052-21	498	0.75	0.10	337		337	39	13 231	128
VIKING A	1 241	0.85	0.10	950	376	574	40	22 765	2 213
WABAMUN A	738	0.80	0.20	472	366	106	38	4 023	200
WAB 16-052-21	517	0.70	0.05	344		344	38	13 038	400
WAB 33-051-21	675	0.85	0.20	459		459	38	17 410	200
OTHER	798			582		582		21 955	
TOTAL-MEDICINE LODGE	4 467			3 144	742	2 402		92 422	
MEDICINE RIVER 039-03W5 GLAUCONITIC A ASSOC	1 592	0.85	0.15	1 150b			41		2 014
GLAUCONITIC A SOLN	3 794	0.38	0.20	1 154b			41		
GLAUCONITIC A ASSOC	75	0.85	0.15	54b			41		101
GLAUCONITIC A TOTAL	5 461	0.50	0.20	2 358b	819b	1 539	41	62 607	
GLAUCONITIC D		0.75	0.10				40		150
OSTRACOD A ASSOC		0.75	0.15				40		987
OSTRACOD A SOLN	220	0.43	0.35	62b			40		
OSTRACOD A ASSOC		0.75	0.15				40		224
OSTRACOD A ASSOC		0.75	0.15				40		168
GLAUC D & OST A TOTAL	812	0.65	0.20	444b	439b	5	40	198	
OSTRACOD C SOLN	90	0.60	0.45	30b			42		
OSTRACOD C ASSOC	2 533	0.85	0.15	1 830b	1 665b	195	42	8 094	2 740
BASAL QUARTZ B ASSOC	61	0.70	0.10	39			38		175
BASAL QUARTZ B SOLN	1 846	0.39	0.45	396			38		
BASAL QUARTZ B ASSOC	744	0.80	0.10	536			38		616
BASAL QUARTZ B ASSOC	13	0.70	0.10	8			38		32
BASAL QUARTZ B TOTAL	2 664	0.50	0.30	979	237	742	38	28 515	
JURASSIC D SOLN	1 171	0.41	0.30	336	190	146	44	6 360	
JURASSIC D ASSOC	475	0.85	0.20	323		323	44	14 070	303
JURASSIC M	595	0.75	0.10	401	253	148	38	5 667	200
PEKISKO N ASSOC	1 653	0.80	0.10	1 190		1 190	39	46 743	1 480
PEKISKO I ASSOC	124	0.75	0.20	74b			42		212
PEKISKO I SOLN	560	0.60	0.20	269b			42		
PEKISKO I TOTAL	684	0.65	0.20	343b	262b	81	42	3 391	
PEKISKO P	635	0.85	0.10	486	481	5	38	189	400
PEKISKO W	579	0.80	0.15	394		394	40	15 929	128
OTHER	14 498			7 378	2 067	5 311		210 279	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
7.45	0.124	0.75	19 280	54	0.786	0.73	2 072.2	1988	1991	WAINOCO NORCEN DEEP CUT SL
5.15	0.154	0.55	3 140	16	0.937	0.56	372.9	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
3.88	0.170	0.55	4 310	17	0.916	0.56	435.8	1904	1987	PART OF MED HAT POOL NO.1
0.80	0.160	0.60	5 740	19	0.895	0.57	562.8	1978	1987	
1.42	0.150	0.60	5 790	21	0.898	0.57	591.1	1977	1985	
1.13	0.160	0.50	6 520	25	0.890	0.56	753.8	1977	1979	
0.90	0.139	0.60	4 450	19	0.916	0.56	420.0	1973	1989	PART OF MED HAT POOL NO.3
0.96	0.139	0.60	4 450	19	0.916	0.56	463.9	1973	1989	PART OF MED HAT POOL NO.4
1.44	0.216	0.60	5 690	27	0.904	0.56	569.9	1944	1987	PART OF 2WS POOL NO.1
1.10	0.150	0.60	5 330	19	0.902	0.57	562.4	1981	1983	
1.73	0.171	0.55	4 900	23	0.915	0.58	652.9	1975	1990	
0.90	0.150	0.60	5 790	19	0.894	0.57	550.2	1977	1987	PRODUCTION DECLINE
1.21	0.160	0.55	5 700	20	0.894	0.56	619.7	1977	1981	
								1904	1989	POCO CENTRA NRTHSTR LOMALTA SASKEN HOME BVI RENENER PROGAS PANALTA NCMI CWNGNUL A&S TCPL CTYMEDH DIRECT ESSO KANNGAZ CRESTAR ALT/ROA
1.68	0.198	0.60	5 690	27	0.904	0.57	688.3	1976	1992	CRESTAR KANNGAZ TCPL MATERIAL BALANCE
1.75	0.282	0.60	6 520	24	0.887	0.57	796.1	1948	1983	CRESTAR ALT/ROA CWNGNUL DIRECT
1.49	0.214	0.70	5 840	23	0.895	0.56	657.7	1977	1990	
10.40	0.210	0.85	21 290	72	0.837	0.73	2 395.6	1988	1989	
1.87	0.134	0.80	37 710	98	1.033	0.74	2 873.6	1975	1991	NCMI PANALTA
12.95	0.100	0.75	36 300	127	1.035	0.66	3 771.3	1977	1992	ENCOR AMERADA PROGAS PRODUCTION DECLINE TOP/BASE TVD
7.32	0.090	0.75	36 900	107	1.055	0.57	3 718.6	1977	1982	ENCOR AMERADA PROGAS TOP/BASE TVD
19.83	0.090	0.75	36 900	127	1.040	0.66	3 920.9	1979	1982	AMERADA PANCDN HOME PROGAS
3.59	0.122	0.70	26 150	66	0.851	0.77	2 203.0	1963	1991	CONCURRENT PRODUCTION
						0.77		1963	1991	CONCURRENT PRODUCTION
2.50	0.135	0.85	26 150	66	0.852	0.77	2 190.7	1963	1991	
								1963	1991	CRESTAR POCO PANCDN PANALTA UNIGAS TCPL PROGAS ESSO DIRECT A&S CONCURRENT PRODUCTION
4.27	0.110	0.80	18 460	69	0.812	0.74	2 073.6	1961	1992	PRODUCTION DECLINE
1.86	0.134	0.85	18 510	63	0.837	0.68	2 087.5	1961	1992	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.68		1961	1992	PRODUCTION DECLINE CONCURRENT PRODUCTION
1.34	0.140	0.70	18 730	63	0.837	0.68	2 068.7	1961	1992	PRODUCTION DECLINE
1.46	0.140	0.65	18 510	63	0.837	0.68	2 078.1	1961	1992	PRODUCTION DECLINE
								1961	1992	CRESTAR NORCEN TCPL CONCURRENT PRODUCTION
						0.72		1963	1989	CRESTAR PANCDN PROGAS TCPL DIRECT PRODUCTION DECLINE CONCURRENT PRODUCTION
3.08	0.130	0.75	22 130	68	0.816	0.72	2 282.5	1963	1989	CRESTAR PANCDN PROGAS TCPL DIRECT PRODUCTION DECLINE CONCURRENT PRODUCTION
2.18	0.139	0.70	16 130	65	0.821	0.70	2 161.2	1959	1990	
						0.70		1959	1990	
7.12	0.136	0.75	16 130	64	0.818	0.70	2 108.0	1959	1992	
2.44	0.146	0.70	16 130	65	0.821	0.71	2 142.6	1959	1986	ASSIGNED WELL 16-20-039-03W5M
								1959	1990	CRESTAR PANCDN BLUERGE A&S TCPL
								1959	1991	PANCDN NORCEN A&S TCPL
8.16	0.142	0.75	16 130	63	0.757	0.79	2 125.3	1959	1991	PANCDN NORCEN A&S TCPL
13.60	0.170	0.80	15 630	63	0.824	0.69	2 161.0	1981	1989	PANCDN TCPL
9.79	0.095	0.75	15 980	71	0.825	0.71	2 131.4	1962	1992	CRESTAR PANCDN PROGAS TCPL
4.78	0.089	0.75	16 690	69	0.758	0.85	2 178.0	1954	1992	GPP
						0.85		1954	1992	GPP
								1954	1992	CRESTAR TCPL NORCEN A&S GPP
22.30	0.100	0.75	16 380	59	0.816	0.70	2 118.9	1963	1990	TCPL PRODUCTION DECLINE
36.80	0.110	0.75	15 010	71	0.833	0.71	2 150.0	1986	1992	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
MEDICINE RIVER 039-03W5 (CONTINUED) TOTAL-MEDICINE RIVER	31 850			16 492	6 413	10 079		402 042	
MEDLEY (SA) 070-02W4 TOTAL-MEDLEY	379			224		224		8 262	
MEEKWAP 066-15W5 D-2 A SOLN	1 446	0.51	0.45	405	259	146	41	5 961	
OTHER	51			26		26		1 062	
TOTAL-MEEKWAP	1 497			431	259	172		7 023	
MEGA 101-07W6 TOTAL-MEGA	122			73		73		2 743	
MEIKLE (SA) 099-17W5 TOTAL-MEIKLE	44			25		25		928	
MELLOWDALE 060-03W5 TOTAL-MELLOWDALE	272			178	37	141		5 455	
MEYER 070-25W4 TOTAL-MEYER	2 113			1 377	390	987		37 021	
MICHICHI 030-18W4 BELLY RIVER F	603	0.70	0.05	401			37		2 421
BELLY RIVER U	18	0.70	0.05	12			37		250
BELLY RIVER F & U TOTAL	621	0.70	0.05	413	383	30	37	1 108	
UPPER MANNVILLE B	135	0.75	0.10	91			38		888
LOWER MANNVILLE E	378	0.85	0.10	289			38		911
U MANN B & L MANN E TOTAL	513	0.80	0.10	380	137	243	38	9 263	
LOWER MANNVILLE B SOLN	17	0.65	0.10	10 ^b			40		
LOWER MANNVILLE B ASSOC	742	0.80	0.10	535 ^b	114 ^b	431	40	17 025	1 796
OTHER	2 322			1 460	494	966		37 195	
TOTAL-MICHICHI	4 215			2 798	1 128	1 670		64 591	
MIKWAN 036-23W4 VIKING B	1 510	0.65	0.10	884	710	174	39	6 715	8 163
OTHER	6 009			3 866	1 445	2 421		92 032	
TOTAL-MIKWAN	7 519			4 750	2 155	2 595		98 747	
MILLIGAN (SA) 097-13W6 TOTAL-MILLIGAN	173			112		112		4 122	
MILLS 069-11W4 TOTAL-MILLS	384			192	155	37		1 370	
MILO 019-23W4 TOTAL-MILO	346			234	123	111		3 969	
MINEHEAD 049-19W5 CARDIUM D	449	0.90	0.10	364			40		400
CARDIUM E	371	0.90	0.20	267			41		300
CARDIUM D&E TOTAL	820	0.90	0.15	631	31	600	40	24 270	
CARDIUM C	4 250	0.70	0.20	2 380			40		3 147
CARDIUM F	109	0.80	0.15	74			41		150
CARDIUM C & F TOTAL	4 359	0.70	0.20	2 454	395	2 059	40	83 204	
SW HL 049-19	7 258	0.50	0.30	2 540		2 540	37	93 269	3 951
OTHER	477			300	7	293		11 864	
TOTAL-MINEHEAD	12 914			5 925	433	5 492		212 607	
MINNEHIK-BUCK LAKE 045-05W5 ELLERSLIE A	21	0.80	0.10	15			40		150
JURASSIC A	670	0.90	0.15	513			40		1 815
ELRSL A & JUR A TOTAL	691	0.90	0.15	528	263	265	40	10 637	
PEKISKO A	28 105	0.85	0.10	21 500	18 049	3 451	40	139 075	27 878
BNFF 27-045-04 OTHER	397	0.90	0.10	321		321	39	12 606	200
TOTAL-MINNEHIK-BUCK LAKE	32 258			24 184	18 838	5 346		214 723	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
						0.75		1966	1991	A&S
4.67 2.10	0.282 0.210	0.55 0.45	3 060 3 550	24 22	0.945 0.934	0.56 0.57	626.8 544.6	1980 1990 1980	1989 1991 1992	PRODUCTION DECLINE RENENER PROGAS POCO PANALTA KANNGAZ A&S
1.62 4.63	0.171 0.137	0.50 0.60	9 710 9 810	38 41	0.810 0.816	0.68 0.68	1 311.7 1 322.7	1968 1975 1968 1980	1985 1985 1986 1989	POCO TCPL A&S CRESTAR TCPL NCMI KANNGAZ POCO CONCURRENT PRODUCTION CRESTAR TCPL NCMI KANNGAZ POCO CONCURRENT PRODUCTION
4.68	0.159	0.55	9 490	48	0.833	0.67	1 313.0	1980	1989	
2.18	0.131	0.55	7 110	49	0.875	0.66	1 388.8	1968	1987	TRITON TCPL CNG MATERIAL BALANCE
4.25 5.55	0.138 0.118	0.85 0.85	23 270 22 500	72 71	0.851 0.838	0.70 0.71	2 367.8 2 334.4	1968 1987 1968	1989 1989 1990	DEEP CUT SL DEEP CUT SL NRTHRGE TCPL ESSO DEEP CUT SL
5.28 4.79	0.141 0.087	0.80 0.80	23 670 22 750	73 81	0.858 0.839	0.69 0.77	2 417.6 2 354.6	1966 1988 1966	1990 1990 1990	DEEP CUT SL TCPL NRTHRGE ESSO CHEL PANALTA
12.00	0.063	0.90	42 920	146	1.079	0.73	4 397.2	1973	1982	
0.80 2.25	0.100 0.111	0.85 0.80	19 463 18 950	58 82	0.803 0.822	0.70 0.78	2 081.4 2 037.9	1982 1980 1980	1988 1990 1989	PROGAS PANALTA TRITON SUNCOR INVRNS PANALTA AMERADA NORCEN HOME PROGAS A&S CANST MATERIAL BALANCE
7.82 15.00	0.086 0.090	0.75 0.70	17 090 19 250	85 55	0.850 0.795	0.72 0.71	2 112.5 2 070.0	1952 1981	1987 1983	AEC

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
MINNOW 057-05W6 TOTAL-MINNOW	98			67		67		2 494	
MIRAGE 079-07W6 TOTAL-MIRAGE	337			233	10	223		8 181	
MISTAHAE 079-01W5 TOTAL-MISTAHAE	176			108	58	50		1 861	
MISTY 033-05W4 TOTAL-MISTY	550			363	103	260		9 762	
MITISUE 071-04W5 WABISKAW D	627	0.60	0.05	357	226	131	37	4 877	2 327
GILWOOD A ASSOC	61	0.75	0.10	41b			36		327
GILWOOD A SOLN	13 493	0.53	0.25	5 363b			36		
GILWOOD A ASSOC	117	0.75	0.10	79b			36		200
GILWOOD A ASSOC	79	0.80	0.25	47b			39		400
GILWOOD A ASSOC	59	0.80	0.20	38b			41		200
GILWOOD A ASSOC	172	0.80	0.20	110b			38		200
GILWOOD A ASSOC	47	0.75	0.10	32b			33		200
GILWOOD A ASSOC	26	0.70	0.10	16b			35		200
GILWOOD A TOTAL	14 054	0.55	0.25	5 726b	3 795b	1 931	36	68 802	
OTHER	1 935			1 254	599	655		24 357	
TOTAL-MITSUE	16 616			7 337	4 620	2 717		98 036	
MOBERLY (SA) 058-04W6 TOTAL-MOBERLY	478			347		347		13 383	
MONITOR 034-04W4 UPPER MANNVILLE A	1 153	0.80	0.10	830			37		4 659
UPPER MANNVILLE C	29	0.75	0.10	20			36		150
UPPER MANNVILLE A & C TOTAL	1 182	0.80	0.10	850	164	686	37	25 162	
OTHER	562			382	83	299		10 803	
TOTAL-MONITOR	1 744			1 232	247	985		35 965	
MONTAG 085-06W6 TOTAL-MONTAG	507			351		351		13 408	
MONTGOMERY 012-28W4 TOTAL-MONTGOMERY	58			40		40		1 556	
MOON CREEK (SA) 059-05W6 TOTAL-MOON CREEK	252			201		201		6 916	
MOONEY 072-07W5 TOTAL-MOONEY	131			88		88		2 729	
MOONSHINE 058-01W4 TOTAL-MOONSHINE	3 140			2 002	490	1 512		55 090	
MOORE 067-04W4 TOTAL-MOORE	915			521	4	517		19 182	
MOOSE 023-06W5 RUNDLE A	4 555	0.60	0.25	2 050	730	1 320	40	52 589	2 653
RUNDLE B	2 082	0.60	0.20	999	484	515	40	20 502	440
WAB 05-023-06	1 013	0.75	0.40	456		456	39	17 693	440
OTHER	1 091			109		109		3 534	
TOTAL-MOOSE	8 741			3 614	1 214	2 400		94 318	
MORGAN 051-04W4 LLOYDMINSTER A ASSOC	7	0.75	0.05	5b			36		72
LLOYDMINSTER A SOLN	544	0.65	0.10	319b			36		
SPARKY A ASSOC	6	0.65	0.05	4b			37		63
SPARKY A ASSOC	8	0.75	0.05	6b			37		100
SPARKY A ASSOC	1	0.70	0.05	1b			36		16
LLOYD A & SPARKY A TOTAL	566	0.65	0.10	335b	54b	281	36	10 195	
OTHER	588			382	15	367		13 515	
TOTAL-MORGAN	1 154			717	69	648		23 710	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.82	0.248	0.70	3 590	29	0.937	0.56	630.4	1977	1988	SHELL HOME ATCOR MATERIAL BALANCE
1.37	0.118	0.75	15 860	69	0.855	0.72	1 659.2	1964	1992	CONCURRENT PRODUCTION
						0.72		1964	1992	CONCURRENT PRODUCTION
4.10	0.170	0.55	14 180	51	0.817	0.72	1 663.0	1964	1983	ASSIGNED WELL 10-23-069-03W5M
1.00	0.130	0.70	18 100	60	0.710	0.92	1 670.2	1964	1992	
2.30	0.080	0.75	17 390	52	0.707	0.84	1 676.3	1964	1983	ASSIGNED WELL 02-36-068-03W5M
4.20	0.150	0.65	17 930	60	0.730	0.89	1 677.7	1964	1983	ASSIGNED WELL 06-31-068-02W5M
1.20	0.170	0.65	17 310	51	0.856	0.70	1 680.8	1964	1984	
1.20	0.120	0.70	12 080	45	0.824	0.70	1 670.3	1964	1988	ASSIGNED WELL 10-27-069-03W5M
								1964	1992	GARDNER SHELL POCO HOME ESSO BVI A&S NCMI
										TCPL CONCURRENT PRODUCTION
1.53	0.309	0.70	6 830	27	0.866	0.63	800.3	1974	1985	
1.85	0.280	0.50	6 780	27	0.866	0.64	811.4	1977	1988	
								1974	1985	TCPL
24.98	0.060	0.70	12 980	42	0.716	0.80	2 193.7	1960	1984	SHELL PROGAS TCPL
60.00	0.065	0.75	15 500	68	0.799	0.75	2 567.4	1978	1989	SHELL PROGAS TCPL TOP/BASE TVD
29.05	0.050	0.85	14 520	48	0.690	0.82	2 555.0	1977	1989	SHELL PROGAS TCPL TOP/BASE TVD
1.01	0.288	0.80	4 090	19	0.922	0.57	558.6	1962	1991	GPP
						0.57		1962	1991	GPP
1.13	0.295	0.70	3 630	17	0.929	0.56	525.8	1962	1982	
0.80	0.320	0.55	4 890	17	0.899	0.60	486.1	1962	1988	ASSIGNED WELL 14-33-051-04W4M
1.00	0.320	0.75	3 390	19	0.936	0.58	530.5	1962	1984	
								1962	1991	NORCEN HUSKY GPP

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
MORINVILLE 055-25W4									
LOWER MANNVILLE A ASSOC		0.80	0.10				38		274
LOWER MANNVILLE A SOLN	8	0.60	0.10	5b			38		
LOWER MANNVILLE A ASSOC		0.80	0.10				38		120
LOWER MANNVILLE A ASSOC		0.80	0.10				38		103
LOWER MANNVILLE A ASSOC		0.80	0.10				38		201
LOWER MANNVILLE A ASSOC		0.80	0.10				38		48
LOWER MANNVILLE A ASSOC		0.80	0.10				38		29
LOWER MANNVILLE A ASSOC		0.80	0.10				38		187
LOWER MANNVILLE A ASSOC		0.80	0.10				38		48
LOWER MANNVILLE A ASSOC		0.80	0.10				38		103
LOWER MANNVILLE A TOTAL	863	0.80	0.10	621b	608b	13	38	492	
LOWER MANNVILLE E	482	0.85	0.05	390	362	28	38	1 064	1 573
OTHER	3 836			2 472	1 109	1 363		52 109	
TOTAL-MORINVILLE	5 181			3 483	2 079	1 404		53 665	
MORKILL (SA) 054-10W5									
TOTAL-MORKILL	19			10		10		377	
MORLEY 026-07W5									
TOTAL-MORLEY	257			174	174				
MORNINGSIDE 042-28W4									
ELLERSLIE F	538	0.85	0.10	411	257	154	40	6 148	150
OTHER	966			630	32	598		23 227	
TOTAL-MORNINGSIDE	1 504			1 041	289	752		29 375	
MOSSLEIGH 021-24W4									
TOTAL-MOSSLEIGH	172			117	40	77		2 926	
MOUNTAIN 047-22W5									
TRIASSIC A	573	0.75	0.10	387	294	93	39	3 621	200
TRIASSIC C	1 027	0.75	0.10	693	670	23	39	896	440
TURNER VALLEY A	480	0.75	0.10	324	68	256	38	9 828	440
OTHER	1 431			1 016	309	707		26 401	
TOTAL-MOUNTAIN	3 511			2 420	1 341	1 079		40 746	
MULLIGAN 081-08W6									
TOTAL-MULLIGAN	1 459			919	133	786		29 500	
MURIEL LAKE 059-04W4									
MANNVILLE A		0.65	0.05				37		1 024
MANNVILLE A		0.65	0.05				37		75
MANNVILLE A		0.65	0.05				37		1 091
MANNVILLE A		0.65	0.05				37		636
MANNVILLE A TOTAL	805	0.65	0.05	497	330	167	37	6 174	
OTHER	146			95	3	92		3 431	
TOTAL-MURIEL LAKE	951			592	333	259		9 605	
MUSIDORA 052-10W4									
TOTAL-MUSIDORA	716			510	209	301		11 114	
MUSKIKI (SA) 044-19W5									
TOTAL-MUSKIKI	148			63		63		2 386	
MUSKWA (SA) 085-25W4									
TOTAL-MUSKWA	16			10		10		369	
MUSREAU 062-06W6									
TOTAL-MUSREAU	668			471	163	308		12 198	
MYSTERY 060-07W5									
TOTAL-MYSTERY	53			35		35		1 323	
NAMAKA 022-24W4									
TOTAL-NAMAKA	319			199		199		7 530	
NARRAWAY 064-12W6									
BELL 03-063-11	462	0.80	0.05	352		352	37	13 108	440
OTHER	73			55		55		2 097	
TOTAL-NARRAWAY	535			407		407		15 205	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
NAYLOR (SA) 097-25W5 TOTAL-NAYLOR	35			22		22		837	
NEERLANDIA 061-05W5 ELLERSLIE D	494	0.75	0.05	352	80	272	37	10 195	1 179
OTHER	716			478	168	310		11 885	
TOTAL-NEERLANDIA	1 210			830	248	582		22 080	
NEGUS (SA) 060-26W5 TOTAL-NEGUS	70			50		50		1 992	
NELSON 044-25W4 TOTAL-NELSON	1 148			717	93	624		23 985	
NESTOW 060-24W4 LOWER MANNVILLE H	471	0.70	0.05	314	201	113	37	4 156	1 277
OTHER	1 876			1 228	459	769		28 757	
TOTAL-NESTOW	2 347			1 542	660	882		32 913	
NETOOK 063-10W6 TOTAL-NETOOK	822			571		571		21 713	
NEVIS 039-22W4 EDMONTON D	744	0.50	0.05	353	255	98	37	3 603	13 471
BELLY RIVER C	1 846	0.65	0.05	1 140	535	605	37	22 379	13 832
LOWER MANNVILLE S	540	0.75	0.10	365	78	287	38	10 903	327
BLAIRMORE A	1 984	0.70	0.10	1 250			39		6 436
LOWER MANNVILLE J	20	0.75	0.10	14			39		150
BLAIRMORE A & LMANN J TOTAL	2 004	0.70	0.10	1 264	91	1 173	39	45 489	
DEVONIAN ASSOC		0.55	0.15				37		6 364
DEVONIAN ASSOC		0.55	0.15				35		12 534
DEVONIAN TOTAL	37 236	0.55	0.15	17 408	17 282	126	36	4 546	
OTHER	4 898			3 126	635	2 491		93 976	
TOTAL-NEVIS	47 268			23 656	18 876	4 780		180 896	
NEW NORWAY 044-22W4 TOTAL-NEW NORWAY	926			485	108	377		14 267	
NEWBROOK 062-20W4 TOTAL-NEWBROOK	2 719			1 700	675	1 025		38 582	
NEWBY 081-05W4 WABISKAW A	73	0.50	0.05	35			37		1 524
MCMURRAY D	131	0.50	0.05	63			37		1 519
MCMURRAY H	1 545	0.50	0.05	734			37		5 766
WBSK A & MCM D & H TOTAL	1 749	0.50	0.05	832	219	613	37	22 699	
MCMURRAY I	658	0.80	0.05	500	320	180	37	6 716	1 971
OTHER	5 076			2 554	575	1 979		73 087	
TOTAL-NEWBY	7 483			3 886	1 114	2 772		102 502	
NEWELL 017-14W4 MILK RIVER A	1 438	0.70	0.05	957			36		10 526
MEDICINE HAT A	116	0.70	0.03	79			36		3 783
MEDICINE HAT C	112	0.50	0.03	54			36		2 447
MEDICINE HAT D	38	0.50	0.03	18			36		1 377
SE ALTA GAS SYS (MU) TOTAL	1 704	0.70	0.05	1 108	426	682	36	24 873	
OTHER	152			102	33	69		2 541	
TOTAL-NEWELL	1 856			1 210	459	751		27 414	
NEWTON 058-03W5 TOTAL-NEWTON	341			232		232		7 999	
NINA (SA) 091-19W5 TOTAL-NINA	9			6		6		226	
NIPIN 074-21W4 TOTAL-NIPIN	2			1		1		37	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
3.36	0.204	0.65	8 550	35	0.839	0.66	1 105.3	1982	1988	NRTHSTR PANCDN AMOCO UNIGAS NCMI
3.76	0.236	0.70	5 910	40	0.905	0.61	882.6	1952	1987	TCPL
6.24	0.279	0.50	630	13	0.987	0.56	315.3	1979	1990	NORCEN ESSO PANALTA TCPL DEKALB PART OF EDMONTON POOL NO.1
5.79	0.253	0.45	2 020	22	0.962	0.56	480.3	1977	1990	POCO NORCEN ESSO PANALTA TCPL DEKALB PART OF BR POOL NO.1
4.98	0.202	0.80	10 350	53	0.853	0.65	1 403.5	1989	1991	BLUERGER PANALTA UNIGAS MATERIAL BALANCE
2.38	0.185	0.65	10 360	53	0.839	0.67	1 375.1	1952	1992	
1.40	0.140	0.60	10 080	45	0.813	0.69	1 414.9	1984	1990	
								1952	1991	UNIGAS TCPL PROGAS PANALTA NORCEN BLUERGER
18.40	0.069	0.85	16 150	56	0.799	0.76	1 682.2	1952	1987	HOME GULF HUSKY NRTHSTR A&S
18.17	0.073	0.85	16 170	61	0.833	0.74	1 685.3	1952	1991	PRODUCTION DECLINE OIL POOL DEPLETED
								1952	1992	PRODUCTION DECLINE OIL POOL DEPLETED
										NORCEN ESSO HUSKY TCPL OIL POOL DEPLETED
1.82	0.309	0.60	1 390	15	0.971	0.56	190.4	1979	1984	
2.81	0.268	0.75	1 480	12	0.968	0.56	191.4	1982	1986	
6.93	0.284	0.75	1 740	10	0.963	0.56	206.8	1982	1992	
								1979	1992	NOVER TARRAGN KANNGAZ CANOXY TCPL ESSO
3.90	0.305	0.70	1 570	11	0.966	0.56	222.5	1986	1989	PANALTA CANST PRODUCTION DECLINE
10.88	0.154	0.55	3 140	16	0.937	0.56	352.4	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.71	0.170	0.55	4 310	17	0.916	0.56	447.7	1904	1989	PART OF MED HAT POOL NO.1
1.16	0.139	0.60	4 450	19	0.916	0.56	470.0	1973	1988	PART OF MED HAT POOL NO.3
0.70	0.139	0.60	4 450	19	0.916	0.56	487.9	1973	1987	PART OF MED HAT POOL NO.4
								1904	1988	PANCDN CANST PANALTA TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
NIPISI 079-08W5									
GILWOOD A SOLN	7 820	0.48	0.40	2 252 ^b			39		
GILWOOD A ASSOC		0.60	0.40		1 543 ^b	709	39	27 573	
OTHER	617			276	44	232		8 465	
TOTAL-NIPISI	8 437			2 528	1 587	941		36 038	
NISKU (SA) 050-25W4									
TOTAL-NISKU	171			112		112		4 345	
NITON 054-13W5									
BASAL QUARTZ A SOLN	30	0.65	0.10	18 ^b			41		
BASAL QUARTZ A ASSOC	1 308	0.75	0.10	883 ^b	480 ^b	421	41	17 051	3 284
ROCK CREEK A ASSOC		0.80	0.10				40		2 576
BSL QTZ I & ROCK CK A TOTAL	1 945	0.80	0.10	1 400	798	602	40	24 056	
ROCK CREEK F SOLN	791	0.25	0.30	139 ^b			40		
ROCK CREEK F ASSOC	10 075	0.75	0.10	6 800 ^b	3 921 ^b	3 018	40	121 444	15 838
OTHER	2 782			1 942	406	1 536		60 919	
TOTAL-NITON	16 931			11 182	5 605	5 577		223 470	
NIXON 072-16W4									
LOWER MANNVILLE E	1 055	0.70	0.05	702	290	412	37	15 306	19 269
GROSMONT A	3 432	0.50	0.05	1 630	1 575	55	37	2 030	33 856
OTHER	561			300	105	195		7 245	
TOTAL-NIXON	5 048			2 632	1 970	662		24 581	
NORDEGG 041-17W5									
TRIASSIC A	433	0.85	0.05	350			37		1 192
RUNDLE A	397	0.55	0.05	207			38		746
TRIASSIC A & RUNDLE A TOTAL	830	0.70	0.05	557	432	125	38	4 693	
TOTAL-NORDEGG	830			557	432	125		4 693	
NORMANDVILLE 080-22W5									
MISSISSIPPIAN A	553	0.90	0.10	448			38		743
MISSISSIPPIAN C	125	0.80	0.05	95			38		200
MISSISSIPPIAN D	310	0.85	0.10	238			38		283
MISSISSIPPIAN A,C & D TOTAL	988	0.85	0.10	781	415	366	38	13 857	
OTHER	1 877			1 272	139	1 133		42 723	
TOTAL-NORMANDVILLE	2 865			2 053	554	1 499		56 580	
NORRIS 053-18W4									
MIDDLE VIKING A	535	0.80	0.05	407	51	356	37	13 161	8 800
LOWER VIKING A	537	0.80	0.10	387		387	38	14 694	6 235
OTHER	3 428			2 153	847	1 306		48 747	
TOTAL-NORRIS	4 500			2 947	898	2 049		76 602	
NORTH STAR (SA) 090-23W5									
BLSK-DBLT 090-23	540	0.85	0.10	413		413	38	15 554	1 203
OTHER	198			136		136		5 084	
TOTAL-NORTH STAR	738			549		549		20 638	
NORTH VALLEY 022-04W5									
RUNDLE B	540	0.80	0.20	346	49	297	39	11 723	200
OTHER	1 103			669	9	660		25 785	
TOTAL-NORTH VALLEY	1 643			1 015	58	957		37 508	
NORTHVILLE 052-10W5									
JURASSIC D	1 052	0.85	0.15	760	94	666	40	26 593	2 472
OTHER	358			230	97	133		5 365	
TOTAL-NORTHVILLE	1 410			990	191	799		31 958	
NOSEHILL 055-20W5									
TOTAL-NOSEHILL	67			45	45				
O'CHIESE (SA) 045-10W5									
TOTAL-O'CHIESE	155			99		99		4 051	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
						0.85 0.85		1965 1965	1992 1992	POCO DRY GAS BREAKTHROUGH, GPP POCO DRY GAS BREAKTHROUGH, GPP
						0.72		1964	1990	CRESTAR HOME ESSO CNWE VECTOR TCPL KANNGAZ CONCURRENT PRODUCTION
2.53	0.137	0.70	16 060	71	0.809	0.72	1 936.2	1964	1990	CRESTAR HOME ESSO CNWE VECTOR TCPL KANNGAZ CONCURRENT PRODUCTION
5.70	0.129	0.75	16 140	76	0.842	0.69	1 847.0	1980 1980	1991 1991	MATERIAL BALANCE CONCURRENT PRODUCTION SHELL AMOCO TCPL MOBIL DIRECT UNIGAS CONCURRENT PRODUCTION
						0.74		1965	1992	CRESTAR AEL ALT/ROA HOME ESSO AMOCO UNIGAS CNWE KANNGAZ TCPL DIRECT VECTOR CONCURRENT PRODUCTION
4.64	0.142	0.60	16 200	77	0.818	0.74	1 925.9	1965	1992	CRESTAR AEL ALT/ROA HOME ESSO AMOCO UNIGAS CNWE KANNGAZ TCPL DIRECT VECTOR CONCURRENT PRODUCTION
2.23	0.269	0.40	2 280	24	0.957	0.56	448.2	1969	1991	CWNGNUL
9.76	0.112	0.45	2 340	27	0.958	0.57	461.2	1969	1991	HOME CWNGNUL PRODUCTION DECLINE
5.84	0.056	0.85	12 620	46	0.861	0.57	1 489.5	1960	1982	
10.42	0.046	0.85	12 690	53	0.847	0.62	1 492.9	1960 1960	1984 1984	PROGAS TCPL
4.11	0.231	0.65	10 710	36	0.817	0.64	1 050.4	1956	1991	
4.40	0.210	0.60	10 170	38	0.828	0.64	1 062.1	1957	1991	
5.49	0.240	0.65	11 380	38	0.815	0.64	1 088.6	1956 1956	1991 1991	NORCEN CWNGNUL A&S
0.76	0.253	0.60	4 950	24	0.899	0.61	677.3	1977	1992	POCO NORCEN TCPL
1.09	0.271	0.55	4 960	25	0.893	0.63	714.5	1972	1992	POCO NORCEN ATCOR TCPL
5.63	0.249	0.70	4 340	21	0.917	0.60	459.8	1990	1992	UNIGAS
24.20	0.060	0.80	27 120	91	0.911	0.71	3 398.2	1982	1989	A&S TOP/BASE TVD
3.14	0.114	0.70	17 300	76	0.830	0.71	1 973.8	1981	1991	SCEPTRE HOME UNIGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
OAK 083-06W6 TOTAL-OAK	360			245		245		8 712	
OBED 054-23W5 CARD SD 23-054-23	646	0.80	0.15	439		439	40	17 485	200
D-2 A	4 792	0.40	0.40	1 150	379	771	37	28 889	1 541
D-3 A	6 000	0.30	0.50	900	186	714	37	26 661	870
OTHER	779			426		426		16 028	
TOTAL-OBED	12 217			2 915	565	2 350		89 063	
OBERLIN 038-21W4 MANNVILLE E	700	0.90	0.10	567	451	116	39	4 524	150
OTHER	346			225	72	153		6 028	
TOTAL-OBERLIN	1 046			792	523	269		10 552	
OCHRE (SA) 089-17W5 TOTAL-OCHRE	138			98		98		3 677	
OGSTON 089-10W5 TOTAL-OGSTON	80			46		46		1 730	
OKOTOKS 021-28W4 RUNDLE A	422	0.85	0.15	305	88	217	40	8 632	614
WABAMUN B	18 262	0.55	0.55	4 520	4 228	292	37	10 804	13 473
OTHER	1 011			454		454		17 108	
TOTAL-OKOTOKS	19 695			5 279	4 316	963		36 544	
OLDMAN 055-21W5 TRIASSIC A	2 653	0.80	0.10	1 910	153	1 757	39	67 662	3 230
OTHER	897			591		591		24 341	
TOTAL-OLDMAN	3 550			2 501	153	2 348		92 003	
OLSON (SA) 056-01W6 TOTAL-OLSON	69			49		49		1 789	
OMEGA 046-01W4 TOTAL-OMEGA	563			373	138	235		7 842	
OPABIN 044-18W5 TOTAL-OPABIN	122			88		88		3 399	
ORCHID 088-20W4 TOTAL-ORCHID	17			9		9		331	
ORION 007-07W4 TOTAL-ORION	432			310	84	226		8 168	
OSBORN 089-07W6 TOTAL-OSBORN	518			324		324		12 389	
OWLSEYE 059-10W4 TOTAL-OWLSEYE	978			573	106	467		17 591	
OXLEY (SA) 014-28W4 TOTAL-OXLEY	296			204		204		8 298	
OYEN 029-05W4 VIKING C	469	0.80	0.05	356	317	39	37	1 426	200
VIKING A	732	0.60	0.05	417			37		4 323
DETRITAL C	342	0.50	0.05	162			37		757
VIKING A & DETRITAL C TOTAL	1 074	0.55	0.05	579	525	54	37	1 994	
OTHER	1 788			1 137	595	542		20 102	
TOTAL-OYEN	3 331			2 072	1 437	635		23 522	
PADDLE RIVER 057-08W5 JURASSIC-DETR-RUND		0.70	0.12				40		17 225
JURASSIC-DETR-RUND		0.70	0.12				40		743
JURASSIC-DETR-RUND		0.70	0.12				40		903
JURASSIC DETRITAL&RU ASSOC		0.70	0.12				40		4 408
JURASSIC-DETR-RUND TOTAL	12 824	0.70	0.10	7 900	6 998	902	40	36 278	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
13.20 22.19 39.22	0.150 0.065 0.070	0.75 0.80 0.90	20 800 38 470 38 760	68 135 136	0.798 0.995 0.966	0.80 0.77 0.83	2 288.3 4 008.3 4 080.3	1988 1964 1985	1989 1991 1991	TCPL TCPL DEEP CUT SL TCPL DEEP CUT SL
8.80	0.160	0.65	10 070	54	0.828	0.70	1 316.0	1967	1991	A&S MATERIAL BALANCE
6.68 11.89	0.085 0.051	0.60 0.85	19 200 24 800	57 80	0.820 0.727	0.69 0.91	2 079.5 2 649.3	1968 1951	1984 1988	PANCDN TCPL CRESTAR GARDNER NORCEN CNWE TCPL PANCDN PANALTA KANNGAZ CWNGNUL PRODUCTION DECLINE DEEP CUT SL
3.74	0.139	0.80	24 820	106	0.943	0.66	2 932.7	1977	1992	NORCEN CNWE ATCOR PROGAS DIRECT TCPL
5.20 2.07 2.77	0.292 0.275 0.285	0.50 0.55 0.65	6 690 6 670 8 200	32 34 34	0.893 0.895 0.870	0.58 0.57 0.58	784.9 765.2 873.0	1951 1963 1963 1963	1989 1985 1985 1985	TCPL PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE NORCEN CANST TCPL ESSO
6.25 4.19 2.72 4.38	0.145 0.145 0.145 0.076	0.35 0.35 0.35 0.60	12 230 12 230 12 230 12 240	60 60 60 55	0.823 0.822 0.822 0.811	0.69 0.69 0.69 0.70	1 527.8 1 528.2 1 458.0 1 549.3	1957 1957 1957 1957 1957	1987 1987 1987 1991 1987	PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE PRODUCTION DECLINE CONCURRENT PRODUCTION, OIL DEPLETED CRESTAR CWNGNUL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
PADDLE RIVER 057-08W5 (CONTINUED)									
OTHER	1 660			1 074	16	1 058		42 257	
TOTAL-PADDLE RIVER	14 484			8 974	7 014	1 960		78 535	
PAGEANT 018-21W4									
GLAUCONITIC A	1 158	0.85	0.10	886	92	794	37	29 449	300
OTHER	507			326	29	297		10 994	
TOTAL-PAGEANT	1 665			1 212	121	1 091		40 443	
PAKOWKI LAKE 004-07W4									
BOW ISLAND A	510	0.80	0.05	388	371	17	34	585	6 888
OTHER	1 239			883	379	504		18 338	
TOTAL-PAKOWKI LAKE	1 749			1 271	750	521		18 923	
PALLISER 062-10W6									
TOTAL-PALLISER	55			37		37		1 488	
PANTHER RIVER 030-10W5									
RUNDLE A	763	0.75	0.15	486	99	387	37	14 257	200
RUNDLE B	782	0.75	0.20	470	59	411	38	15 449	200
RUNDLE D	2 667	0.75	0.30	1 400	205	1 195	37	44 741	400
RUNDLE E	1 834	0.80	0.25	1 100	47	1 053	38	39 519	200
OTHER	3 395			220		220		7 922	
TOTAL-PANTHER RIVER	9 441			3 676	410	3 266		121 888	
PARADISE 047-02W4									
TOTAL-PARADISE	230			152		152		5 268	
PARFLESH 025-22W4									
TOTAL-PARFLESH	1 090			641	137	504		19 732	
PARKER 070-05W5									
TOTAL-PARKER	158			91	89	2		76	
PARKLAND 015-28W4									
TOTAL-PARKLAND	342			230	38	192		7 369	
PARKLAND NORTHEAST 015-27W4									
GLAUCONITIC A	789	0.80	0.10	568	252	316	39	12 397	1 303
LOWER MANNVILLE A	1 048	0.85	0.10	802	141	661	39	26 063	992
OTHER	1 186			873	116	757		29 723	
TOTAL-PARKLAND NORTHEAST	3 023			2 243	509	1 734		68 183	
PASTECHO (SA) 079-06W5									
TOTAL-PASTECHO	28			18		18		681	
PAUL (SA) 072-26W4									
TOTAL-PAUL	102			68		68		2 539	
PAXON 065-21W4									
TOTAL-PAXON	109			72	25	47		1 750	
PEACOCK 014-27W4									
TOTAL-PEACOCK	49			32	17	15		586	
PEAK 119-05W6									
TOTAL-PEAK	33			22		22		763	
PEARL 030-16W4									
TOTAL-PEARL	180			116	24	92		3 572	
PEAVEY 056-24W4									
TOTAL-PEAVEY	681			434	235	199		7 432	
PEAVINE 075-20W5									
TOTAL-PEAVINE	130			85	10	75		2 918	
PECO 047-15W5									
GETTING A	4 945	0.70	0.20	2 770	1 304	1 466	41	60 267	6 502
JURASSIC B	1 407	0.75	0.15	896		896	40	35 643	1 971
NISKU A	588	0.85	0.30	350	347	3	40	121	128
OTHER	2 772			1 782	228	1 554		62 778	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
15.75	0.218	0.80	12 840	43	0.822	0.65	1 401.0	1987	1990	NORCEN A&S
1.27	0.252	0.70	5 540	27	0.911	0.59	667.8	1955	1987	ESSO CMG PRODUCTION DECLINE
35.00 48.00 53.72 110.47	0.060 0.040 0.050 0.050	0.85 0.85 0.85 0.85	24 130 30 790 39 280 23 300	78 104 102 99	0.915 0.969 1.020 0.912	0.66 0.69 0.74 0.72	3 457.1 4 556.5 4 587.4 4 408.3	1958 1973 1978 1960	1989 1984 1990 1990	SHELL SHELL TOP/BASE TVD SHELL TOP/BASE TVD SHELL
6.13 9.41	0.101 0.120	0.65 0.60	15 040 15 510	65 65	0.841 0.837	0.64 0.65	2 294.0 2 342.5	1976 1980	1992 1992	CNWE PROGAS PANALTA PANALTA CNWE PROGAS
2.52 3.77 30.00	0.126 0.121 0.050	0.85 0.75 0.90	38 500 20 700 72 120	102 93 119	1.036 0.886 1.369	0.77 0.68 0.79	3 035.3 3 115.6 3 970.2	1971 1971 1981	1992 1991 1989	CONOCO TCPL ESSO DEEP CUT SL TCPL DEEP CUT SL ENCOR AMOCO DIRECT PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
PECO 047-15W5 (CONTINUED) TOTAL-PECO	9 712			5 798	1 879	3 919		158 809	
PEDIGREE 100-12W6 BLUESKY-MONTNEY A	3 851	0.75	0.10	2 600	194	2 406	42a	101 076	4 600
DBLT 33-102-11	430	0.85	0.10	329		329	38	12 469	200
TOTAL-PEDIGREE	4 281			2 929	194	2 735		113 545	
PEDLEY (SA) 053-25W5 TOTAL-PEDLEY	1 441			976		976		39 787	
PEERLESS 079-22W4 TOTAL-PEERLESS	156			96		96		3 587	
PEIGAN 008-08W4 TOTAL-PEIGAN	139			101	27	74		2 672	
PELICAN 079-24W4 WABISKAW A	450	0.75	0.05	321		321	37	11 954	3 507
OTHER	329			198		198		7 388	
TOTAL-PELICAN	779			519		519		19 342	
PEMBINA 048-07W5 BELLY RIVER B SOLN	1 622	0.37	0.45	330	199	131	39	5 084	
BELLY RIVER A	879	0.80	0.05	668	650	18	38	689	2 022
BELLY RIVER SS	422	0.75	0.05	301	97	204	38	7 813	1 175
BELLY RIVER ZZ	522	0.75	0.10	353	332	21	38	790	1 846
BELLY RIVER C SOLN	1 014	0.36	0.15	310			38		
BELLY RIVER C.O & H3H TOTAL	1 014	0.35	0.15	310	217	93	38	3 540	
BELLY RIVER A2A SOLN	57	0.65	0.35	24b			39		
BELLY RIVER A2A ASSOC	709	0.75	0.10	479b	433b	70	39	2 753	2 178
CARDIUM SOLN	110 882	0.34	0.48	19 604	14 004	5 600	40	226 352	
GLAUCONITIC FF ASSOC	413	0.85	0.10	316	8	308	40	12 209	600
GLAUCONITIC A	4 831	0.85	0.06	3 860	3 129	731	40	28 875	11 395
GLAUCONITIC E		0.80	0.05				40		3 226
GLAUCONITIC G		0.80	0.05				40		1 994
GLAUCONITIC E & G TOTAL	5 000	0.80	0.05	3 800	2 054	1 746	40	69 316	
GLAUCONITIC I	3 890	0.70	0.06	2 560			39		4 739
GLAUCONITIC D	144	0.70	0.10	91			39		150
OSTRACOD C	283	0.75	0.10	191			40		890
GLC I, GLC D&OST C TOTAL	4 317	0.70	0.05	2 842	1 721	1 121	39	44 033	
JURASSIC A ASSOC	545	0.85	0.10	417	91	326	40	13 122	840
JURASSIC OO	423	0.85	0.15	306	26	280	40	11 186	400
NISKU D SOLN	672	0.72	0.15	411b			43		
NISKU D ASSOC		0.80	0.15		-303b	714	43	30 381	
NISKU L SOLN	620	0.82	0.20	406b			43		
NISKU L ASSOC		0.85	0.15		-185b	591	43	25 147	
NISKU P SOLN	791	0.78	0.25	463b			43		
NISKU P ASSOC		0.85	0.25		-249b	712	43	30 296	
NIS 24-048-10	548	0.85	0.25	350		350	38	13 332	200
OTHER	26 959			15 266	1 814	13 452		536 387	
TOTAL-PEMBINA	161 226			50 506	24 038	26 468		1 061 305	
PENDANT D'OREILLE 004-09W4 BOW ISLAND B	453	0.75	0.05	323	312	11	35	387	4 557
BOW ISLAND		0.85	0.05				35		17 639
BOW ISLAND F		0.85	0.05				35		8 845
BOW ISLAND G		0.85	0.05				35		970
BOW ISLAND H		0.85	0.05				35		1 926
BOW ISLAND J		0.85	0.05				35		200
BOW ISL & BI FGH&J TOTAL	5 201	0.85	0.05	4 200	3 628	572	35	19 986	
MANNVILLE A	1 217	0.90	0.05	1 040	905	135	37	4 987	2 108
MANNVILLE C	1 220	0.85	0.05	985	949	36	37	1 328	1 417
MANNVILLE H	454	0.75	0.05	324	195	129	37	4 765	751
OTHER	1 270			874	407	467		16 753	
TOTAL-PENDANT D'OREILLE	9 815			7 746	6 396	1 350		48 206	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
11.39 26.00	0.159 0.150	0.45 0.65	5 820 7 700	44 31	0.892 0.850	0.64 0.64	980.9 816.4	1981 1991	1990 1991	ENCOR CHEL PROGAS HOME GULF A&S
2.42	0.273	0.70	2 750	24	0.948	0.56	439.7	1967	1987	ATCOR TCPL ESSO
5.90 3.30 3.26	0.192 0.184 0.188	0.55 0.60 0.65	7 030 6 580 6 510	38 27 27	0.884 0.868 0.870	0.68 0.58 0.60 0.63 0.61	975.5 926.0 883.4	1956 1956 1957 1965 1956 1956 1992	1988 1988 1987 1987	POCO NORCEN ESSO CWNGNUL A&S PRODUCTION DECLINE POCO ESSO A&S POCO OPINAC AMERADA CWNGNUL
3.92	0.134	0.60	9 350	42	0.817	0.68 0.70	1 305.1	1978 1953	1989 1991	POCO PANCDN NORCEN UNIGAS CWNGNUL SCEPTRE CANST AMERADA A&S CHEL VECTOR ESSO CONCURRENT PRODUCTION SCEPTRE CANST AMERADA A&S CHEL VECTOR ESSO CONCURRENT PRODUCTION SUNCOR GARDNER RIFE PANCDN CHEL AMERADA TCPL NORCEN HOME PANALTA CWNGNUL KANNGAZ ATCOR A&S DEKALB POCO ESSO OMV GAS PRODUCED BEFORE OIL DISCOVERED SUNCOR PANALTA UNIGAS CWNGNUL HUSKY A&S CHEL PRODUCTION DECLINE
3.28 7.40	0.130 0.131	0.80 0.55	19 070 13 680	56 60	0.816 0.818	0.66 0.67	1 816.4 1 790.0	1981 1957	1990 1992	HOME ESSE CANOXY A&S GPP HOME ESSE CANOXY A&S GPP POCO ESSO GPP POCO ESSO GPP POCO GPP POCO GPP HOME
7.67 4.62	0.145 0.138	0.65 0.65	13 640 13 640	56 56	0.806 0.806	0.67 0.67	1 711.2 1 696.6	1960 1960 1960	1989 1989 1989	MATERIAL BALANCE MATERIAL BALANCE NORCEN SHELL CWNGNUL CANST AMOCO PART OF GLAUC POOL NO.5 PART OF GLAUC POOL NO.5 PART OF GLAUC POOL NO.5 ESSO A&S CANOXY PART OF GLAUC POOL NO.5 TCPL PROGAS POCO GPP POCO HOME ESSE CANOXY A&S GPP HOME ESSE CANOXY A&S GPP POCO ESSO GPP POCO ESSO GPP POCO GPP POCO GPP HOME
7.13 8.07 1.96	0.135 0.140 0.133	0.55 0.60 0.75	14 860 13 720 15 870	59 60 64	0.821 0.826 0.823	0.67 0.66 0.68	1 854.2 1 846.4 1 887.1	1958 1960 1970	1991 1988 1991	HOME ESSE CANOXY A&S GPP HOME ESSE CANOXY A&S GPP POCO ESSO GPP POCO ESSO GPP POCO GPP POCO GPP HOME
5.02 10.20	0.096 0.080	0.70 0.75	17 480 17 820	61 82	0.774 0.826	0.77 0.76 0.80 0.80 0.80 0.80 0.80	2 262.0 2 301.6	1979 1990 1978 1978 1978 1978 1979 1979	1992 1992 1988 1988 1986 1986 1987 1987	HOME ESSE CANOXY A&S GPP HOME ESSE CANOXY A&S GPP POCO ESSO GPP POCO ESSO GPP POCO GPP POCO GPP HOME
14.30	0.100	0.90	24 000	86	0.893	0.71	2 823.5	1991	1992	HOME
1.26 2.59 1.51 1.34 1.37 2.10	0.244 0.250 0.212 0.200 0.240 0.209	0.75 0.70 0.55 0.65 0.55 0.70	5 100 4 670 4 950 4 850 4 850 5 030	24 24 24 20 20 24	0.912 0.920 0.916 0.913 0.913 0.914	0.58 0.58 0.58 0.58 0.58 0.58	654.3 621.1 678.9 635.7 653.4 669.5	1954 1946 1946 1946 1946 1957 1946	1983 1983 1989 1983 1983 1983 1983	CMG MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE ESSO CMG CRESTAR CMG MATERIAL BALANCE CMG MATERIAL BALANCE CRESTAR CMG
6.32 7.53 5.38	0.210 0.221 0.188	0.60 0.75 0.70	7 930 8 230 7 940	30 30 30	0.873 0.869 0.873	0.57 0.57 0.57	837.8 817.9 867.6	1961 1965 1971	1971 1984 1988	CRESTAR CMG MATERIAL BALANCE CMG MATERIAL BALANCE CRESTAR CMG

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
PENHOLD 036-27W4									
LOWER MANNVILLE B	612	0.85	0.05	494	460	34	40	1 359	930
LOWER MANNVILLE E ASSOC	683	0.80	0.10	491 ^b			40		2 515
LOWER MANNVILLE E SOLN	27	0.65	0.10	16 ^b			40		
LOWER MANNVILLE H	18	0.75	0.10	13 ^b			40		150
L MANN E & H TOTAL	728	0.80	0.10	520 ^b	180 ^b	340	40	13 471	
OTHER	2 273			1 460	138	1 322		51 942	
TOTAL-PENHOLD	3 613			2 474	778	1 696		66 772	
PEORIA 076-02W6									
WAB 16-076-01	413	0.85	0.10	316		316	35	11 092	200
OTHER	906			658		658		23 296	
TOTAL-PEORIA	1 319			974		974		34 388	
PEPPERS (SA) 052-24W5									
TOTAL-PEPPERS	435			303		303		11 851	
PERRYVALE 064-23W4									
TOTAL-PERRYVALE	342			228		228		8 597	
PERT (SA) 125-06W6									
TOTAL-PERT	4			3		3		112	
PETER 072-01W5									
TOTAL-PETER	426			255	20	235		8 825	
PETITOT (SA) 122-12W6									
TOTAL-PETITOT	66			41		41		1 537	
PHILOMENA 071-09W4									
TOTAL-PHILOMENA	865			428	204	224		8 219	
PHILP 002-12W4									
TOTAL-PHILP	239			152		152		5 567	
PHOENIX 039-10W5									
TOTAL-PHOENIX	494			324	67	257		10 370	
PICA (SA) 084-04W6									
TOTAL-PICA	19			13		13		487	
PINCHER CREEK 004-29W4									
RUNDLE A	44 710	0.30	0.29	9 523	9 311	212	39	8 232	5 666
RUNDLE B	544	0.80	0.25	326	21	305	39	11 868	200
RUND 35-004-30	1 508	0.75	0.20	905		905	38	34 164	200
TOTAL-PINCHER CREEK	46 762			10 754	9 332	1 422		54 264	
PINE CREEK 057-19W5									
CARDIUM H SOLN	1 019	0.62	0.20	506			37		
CARDIUM H & I TOTAL	1 019	0.60	0.20	506	427	79	37	2 947	
BLUESKY A	4 296	0.75	0.10	2 900	653	2 247	41	91 678	4 051
L MANN 11-057-20	494	0.80	0.10	356		356	39	13 738	300
CADM 12-057-20	444	0.85	0.10	339		339	40	13 604	200
NORDEGG A	5 063	0.70	0.10	3 190			39		8 186
TRIASSIC A	2 348	0.80	0.10	1 690			38		4 981
NORDEGG A & TRIASSIC TOTAL	7 411	0.75	0.10	4 880	1 200	3 680	39	142 747	
ELKTON A	697	0.85	0.15	503	415	88	38	3 366	400
WABAMUN	3 122	0.90	0.42	1 630	1 341	289	38	10 968	1 619
WABAMUN B	7 068	0.90	0.39	3 880	3 508	372	38	14 099	3 803
WABAMUN C	4 232	0.90	0.32	2 590	1 942	648	38	24 559	663
D-3	22 726	0.35	0.35	5 170	5 111	59	37	2 197	3 744
OTHER	3 925			2 356	103	2 253		86 965	
TOTAL-PINE CREEK	55 434			25 110	14 700	10 410		406 868	
PINE NORTHWEST 058-20W5									
D-3 A	8 991	0.35	0.25	2 360	2 038	322	37	11 846	1 305
OTHER	423			293	80	213		7 989	
TOTAL-PINE NORTHWEST	9 414			2 653	2 118	535		19 835	
PINEDALE 054-16W4									
TOTAL-PINEDALE	319			210	33	177		6 590	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
10.67 1.86	0.122 0.134	0.85 0.75	16 200 14 700	71 75	0.804 0.827	0.75 0.72	1 900.0 1 889.9	1971 1985	1990 1992	CNRL BLUERGER A&S PRODUCTION DECLINE GPP
1.20	0.120	0.65	13 210	79	0.829	0.75	1 893.4	1985 1985	1992 1990	ENCOR UNIGAS TCPL PCI BLUERGER A&S GPP
24.00	0.050	0.80	24 040	78	0.905	0.73	2 277.4	1989	1990	PROGAS
107.59 24.14 40.50	0.040 0.050 0.080	0.80 0.85 0.85	34 080 36 400 34 600	89 116 94	0.951 1.003 0.979	0.77 0.76 0.70	3 674.9 4 282.5 4 218.4	1948 1983 1989	1992 1990 1991	TCPL PRODUCTION DECLINE GAS CYCLING SCHEME MOBIL TOP/BASE TVD MOBIL TOP/BASE TVD
7.21	0.102	0.75	21 460	94	0.865	0.74	2 554.2	1978 1978 1961	1982 1982 1991	SOLN MU-CARDIUM H&I ULSTER PANALTA AMERADA TCPL AMEAGLE SUNCOR ULSTER UNIGAS AMEAGLE PROGAS KANNGAZ VECTOR ESSO
7.30 11.00 4.54 2.90	0.142 0.130 0.098 0.110	0.75 0.70 0.75 0.80	23 750 21 160 22 270 22 630	84 65 98 100	0.894 0.802 0.921 0.934	0.68 0.77 0.65 0.63	2 808.1 2 751.8 2 682.4 2 703.1	1977 1991 1976 1974	1987 1992 1991 1991	PROGAS GARDNER PROGAS TOP/BASE TVD TOP/BASE TVD
12.50 3.52 6.67 5.05 41.46	0.084 0.069 0.069 0.083 0.064	0.80 0.85 0.85 0.85 0.85	23 230 29 790 29 500 31 220 31 550	80 99 99 115 113	0.902 0.831 0.851 0.918 0.913	0.66 0.84 0.82 0.77 0.78	2 600.3 3 070.1 3 113.5 3 459.2 3 358.2	1968 1957 1956 1958 1957	1982 1989 1989 1989 1992	SUNCOR UNIGAS MOBIL PROGAS PANALTA TCPL ESSO PANALTA A&S MATERIAL BALANCE UNIGAS A&S MATERIAL BALANCE A&S MATERIAL BALANCE UNIGAS A&S PRODUCTION DECLINE
47.50	0.064	0.90	32 060	116	0.961	0.71	3 250.5	1963	1982	A&S PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
PINEHURST 066-10W4 TOTAL-PINEHURST	81			53		53		1 963	
PINGEL 081-07W6 TOTAL-PINGEL	213			152		152		5 748	
PLACID 060-23W5 TOTAL-PLACID	384			262		262		10 330	
PLAIN 053-12W4 UPPER MANNVILLE F	553	0.75	0.05	394	361	33	37	1 222	824
UPPER MANNVILLE H	96	0.70	0.05	64			37		996
UPPER MANNVILLE K	193	0.70	0.05	128			37		794
UPPER MANNVILLE L	13	0.70	0.05	9			37		150
UPPER MANNVILLE M	9	0.70	0.05	6			37		128
SPARKY B	367	0.80	0.03	285			37		1 745
U MANN HKLM & SPKY B TOTAL	678	0.75	0.05	492	269	223	37	8 331	
UPPER MANNVILLE A	212	0.70	0.05	141			38		1 028
COLONY A	494	0.65	0.05	305			38		2 905
SPARKY A	190	0.70	0.05	126			37		1 122
U MN A,COL A&SPKY A TOTAL	896	0.65	0.05	572	323	249	38	9 367	
LOWER MANNVILLE D		0.65	0.05				37		256
NISKU C		0.70	0.05				36		344
L MANN D & NISKU C TOTAL	506	0.70	0.05	336	330	6	37	220	
CAMROSE A	1 011	0.75	0.05	720	478	242	37	8 995	4 617
OTHER	6 657			4 444	2 384	2 060		76 896	
TOTAL-PLAIN	10 301			6 958	4 145	2 813		105 031	
PLANTE 055-22W5 LED 26-055-22	850	0.80	0.40	408		408	37	15 284	200
OTHER	1 093			705		705		26 633	
TOTAL-PLANTE	1 943			1 113		1 113		41 917	
PLEASANT 068-20W4 TOTAL-PLEASANT	586			386	148	238		8 941	
PLUTO (SA) 044-15W5 TOTAL-PLUTO	39			26		26		1 021	
POLLOCKVILLE 025-10W4 TOTAL-POLLOCKVILLE	907			645	123	522		19 437	
PONOKA 043-26W4 TOTAL-PONOKA	49			33		33		1 221	
PONY (SA) 080-08W4 TOTAL-PONY	65			34		34		1 269	
PORTAGE 078-17W4 MCMURRAY-GROSMONT A	1 231	0.60	0.05	702			37		14 669
MCMURRAY-GROSMONT A	3 502	0.49	0.05	1 630			37		17 420
MCMURRAY-GROSMONT A TOTAL	4 733	0.50	0.05	2 332	1 707	625	37	23 163	
OTHER	254			137		137		5 079	
TOTAL-PORTAGE	4 987			2 469	1 707	762		28 242	
POUCE COUPE 080-12W6 PEACE RIVER A	4 816	0.75	0.02	3 540	3 371	169	38	6 385	11 891
KISKATINAW B	606	0.75	0.05	432	132	300	38	11 376	200
KISKATINAW F	828	0.85	0.05	669	458	211	38	7 925	1 357
KISKATINAW G	1 379	0.70	0.05	917	455	462	38	17 325	1 185
KISKATINAW H	795	0.85	0.05	642	221	421	38	15 994	400
KISKATINAW P	585	0.75	0.05	417	74	343	38	13 089	520
KISK 079-12	517	0.70	0.05	344		344	38	12 910	731
OTHER	4 489			3 275	982	2 293		86 468	
TOTAL-POUCE COUPE	14 015			10 236	5 693	4 543		171 472	
POUCE COUPE SOUTH 078-12W6 PEACE RIVER A		0.85	0.03				38		2 876
PEACE RIVER A		0.85	0.03				38		374
PEACE RIVER A		0.85	0.03				38		1 229
PEACE RIVER A		0.85	0.03				38		693
PEACE RIVER A		0.85	0.03				38		1 244
PEACE RIVER A		0.85	0.03				38		1 134

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.47	0.295	0.60	4 620	34	0.924	0.57	732.0	1968	1990	TCPL PRODUCTION DECLINE
1.26	0.251	0.55	5 170	24	0.895	0.60	647.2	1959	1978	PRODUCTION DECLINE
1.26	0.300	0.55	5 210	24	0.902	0.57	657.8	1959	1982	
1.20	0.210	0.60	5 200	23	0.901	0.57	656.6	1975	1988	
0.90	0.270	0.50	5 170	24	0.903	0.57	672.3	1975	1983	
2.53	0.268	0.60	4 900	24	0.908	0.57	673.7	1958	1974	TCPL
								1958	1983	
2.84	0.255	0.55	4 970	28	0.907	0.58	644.6	1952	1992	
1.90	0.272	0.65	4 790	24	0.906	0.59	609.6	1952	1992	
2.12	0.281	0.55	4 900	24	0.908	0.59	664.5	1952	1992	
								1952	1992	CWNGNUL TCPL
1.50	0.250	0.60	4 670	24	0.914	0.57	714.8	1970	1985	MATERIAL BALANCE
4.65	0.180	0.55	4 670	27	0.918	0.57	723.9	1970	1986	MATERIAL BALANCE
								1970	1985	POCO TCPL
2.83	0.125	0.70	4 670	24	0.914	0.57	732.7	1968	1981	CWNGNUL TCPL MATERIAL BALANCE
33.30	0.053	0.90	36 760	130	0.970	0.79	3 777.4	1987	1988	ENCOR HOME BER TOP/BASE TVD
2.65	0.309	0.60	1 700	20	0.966	0.56	356.3	1972	1991	
15.45	0.123	0.25	1 700	20	0.967	0.57	368.9	1972	1991	MATERIAL BALANCE
								1972	1991	
6.52	0.184	0.70	4 290	33	0.926	0.57	709.3	1943	1989	NORCEN CNRL A&S PRODUCTION DECLINE
9.50	0.090	0.80	23 870	84	0.922	0.60	2 423.3	1977	1990	HUSKY BP MATERIAL BALANCE
4.69	0.089	0.80	21 450	92	0.915	0.63	2 339.0	1976	1990	NRTHRGE
9.52	0.091	0.75	21 490	96	0.925	0.62	2 348.8	1976	1991	A&S NRTHRGE
13.75	0.101	0.75	20 920	77	0.891	0.63	2 325.4	1988	1991	PANALTA A&S
9.85	0.090	0.75	20 310	97	0.923	0.60	2 386.0	1988	1991	PANALTA A&S
6.12	0.080	0.80	21 550	96	0.920	0.62	2 358.5	1974	1988	NRTHRGE
4.40	0.194	0.60	5 600	41	0.914	0.56	986.3	1956	1990	MATERIAL BALANCE
1.27	0.178	0.50	5 600	41	0.915	0.57	963.9	1956	1990	MATERIAL BALANCE
0.93	0.142	0.45	5 600	41	0.915	0.57	982.9	1956	1990	MATERIAL BALANCE
1.12	0.177	0.50	5 600	41	0.915	0.57	959.1	1956	1990	MATERIAL BALANCE
1.58	0.214	0.65	5 600	41	0.915	0.57	969.0	1956	1990	MATERIAL BALANCE
1.78	0.190	0.50	5 600	41	0.915	0.57	972.4	1956	1990	MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
POUCE COUPE SOUTH 078-12W6 (CONTINUED)									
PEACE RIVER A		0.85	0.03				38		507
PEACE RIVER A TOTAL	1 312	0.75	0.05	954	833	121	38	4 577	
PEACE RIVER B		0.70	0.05				38		5 465
PEACE RIVER B		0.70	0.02				38		1 587
PEACE RIVER B		0.70	0.02				38		1 255
PEACE RIVER B TOTAL	1 278	0.70	0.05	876	876	< 1	38	-	
GETHING A	526	0.90	0.03	459	459	< 1	38	-	300
CADOMIN E	985	0.80	0.05	749	43	706	37	26 334	1 525
BALDONNEL B	564	0.80	0.10	406	406	< 1	38	-	2 074
BOUNDARY B SOLN	1 162	0.34	0.15	336	128	208	43	8 896	
HALFWAY D	441	0.85	0.10	338		338	40	13 493	200
DOIG B	4 277	0.80	0.10	3 080	781	2 299	39	89 201	3 559
MONTNEY A	1 952	0.85	0.15	1 410		1 410	42	59 883	3 699
OTHER	3 827			2 329	433	1 896		72 570	
TOTAL-POUCE COUPE SOUTH	16 324			10 937	3 959	6 978		274 954	
PRAIRIE RIVER (SA) 070-14W5									
TOTAL-PRAIRIE RIVER	300			204		204		7 876	
PRESLEY 059-19W5									
TOTAL-PRESLEY	464			340	179	161		6 391	
PRESPTOU (SA) 088-13W6									
TOTAL-PRESPTOU	329			211		211		8 187	
PREVO 039-01W5									
PEKISKO A SOLN	11	0.65	0.10	6 ^b			40		
PEKISKO A ASSOC	672	0.60	0.10	363 ^b	296 ^b	73	40	2 884	1 226
PEKISKO B	1 250	0.60	0.10	675	640	35	40	1 383	604
OTHER	1 716			1 113	189	924		37 461	
TOTAL-PREVO	3 649			2 157	1 125	1 032		41 728	
PRIMROSE (SA) 068-21W4									
TOTAL-PRIMROSE	14			7		7		261	
PRINCESS 020-11W4									
MILK RIVER A	11 684	0.70	0.05	7 770			36		93 189
MEDICINE HAT A	6 407	0.70	0.03	4 350			36		83 907
MEDICINE HAT C	736	0.50	0.03	357			36		26 646
MEDICINE HAT D	522	0.50	0.03	253			36		18 374
SECOND WHITE SPECKS A	7 969	0.75	0.05	5 678			36		66 059
SE ALTA GAS SYS(MU) TOTAL	27 318	0.70	0.05	18 408	8 404	10 004	36	364 846	
BASAL MANNVILLE A	506	0.90	0.05	432	141	291	37	10 718	425
BASAL MANNVILLE M	753	0.60	0.05	429	429	< 1	37	-	739
JEFFERSON B	1 550	0.70	0.20	868	755	113	35	3 980	3 344
OTHER	3 239			2 356	1 152	1 204		44 677	
TOTAL-PRINCESS	33 366			22 493	10 881	11 612		424 221	
PRITCHARD 061-01W4									
TOTAL-PRITCHARD	120			63	20	43		1 595	
PROGRESS 078-09W6									
HALFWAY B SOLN	707	0.65	0.10	414	160	254	40	10 086	
HALFWAY P ASSOC	667	0.90	0.10	540		540	41	21 897	574
HALFWAY A	3 921	0.85	0.10	3 000	1 415	1 585	40	62 972	4 154
DOIG C	1 186	0.80	0.05	902	225	677	37	24 981	1 751
BELLOY A	843	0.75	0.05	600		600	31	18 438	992
BELLOY B	766	0.75	0.05	546		546	35	19 268	1 194
OTHER	5 115			3 422	423	2 999		117 910	
TOTAL-PROGRESS	13 205			9 424	2 223	7 201		275 552	
PROVINCE 008-11W4									
TOTAL-PROVINCE	57			40		40		1 423	
PROVOST 037-07W4									
BELLY RIVER B	454	0.70	0.05	302	69	233	37	8 656	2 644

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.17	0.200	0.70	5 600	41	0.915	0.57	978.6	1956	1990	MATERIAL BALANCE
6.37	0.172	0.70	5 380	44	0.919	0.57	989.5	1956	1992	NORCEN PANALTA SHELL
1.60	0.159	0.70	5 380	44	0.919	0.57	1 022.1	1953	1989	
2.89	0.169	0.70	5 380	44	0.919	0.57	1 027.2	1953	1989	
6.70	0.145	0.80	13 410	64	0.869	0.61	1 517.1	1953	1989	
4.96	0.147	0.70	13 030	64	0.869	0.62	1 545.0	1958	1986	
2.45	0.118	0.70	14 820	70	0.874	0.63	1 726.1	1979	1991	PANALTA SHELL
17.31	0.090	0.80	17 500	70	0.821	0.70	1 915.0	1954	1992	ENCOR PANALTA HOME
8.55	0.106	0.80	17 770	75	0.876	0.63	1 910.0	1980	1992	SHELL POCO NORCEN PANALTA
2.93	0.085	0.85	26 350	79	0.854	0.80	2 345.7	1987	1992	SHELL PROGAS ENCOR PANALTA HOME ESSO AMOCO
						0.68		1959	1991	SUNCOR PCI BLUERGER TCPL PRODUCTION DECLINE
7.00	0.093	0.60	16 580	70	0.831	0.68	2 016.1	1959	1991	CONCURRENT PRODUCTION
9.69	0.071	0.60	16 490	61	0.812	0.68	2 013.9	1958	1986	SUNCOR PCI BLUERGER TCPL PRODUCTION DECLINE
										CONCURRENT PRODUCTION
										TCPL PRODUCTION DECLINE
7.18	0.154	0.55	3 140	16	0.937	0.56	378.1	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.77	0.170	0.55	4 310	17	0.916	0.56	465.9	1904	1982	PART OF MED HAT POOL NO.1
0.70	0.139	0.60	4 450	19	0.916	0.56	478.4	1973	1987	PART OF MED HAT POOL NO.3
0.72	0.139	0.60	4 450	19	0.916	0.56	509.1	1973	1987	PART OF MED HAT POOL NO.4
1.56	0.216	0.60	5 690	27	0.904	0.57	657.1	1944	1992	PART OF 2WS POOL NO.1
6.98	0.200	0.70	10 690	31	0.821	0.62	969.3	1944	1992	CRESTAR ULSTER POCO OPINAC PANCDN NORCEN
2.79	0.250	0.50	10 800	35	0.834	0.62	996.0	1940	1966	ESSO A&S PANALTA CONTIN TCPL SCEPTRE
4.12	0.100	0.75	10 980	38	0.804	0.81	1 196.6	1958	1992	TCPL
								1940	1991	TCPL MATERIAL BALANCE
4.85	0.165	0.85	16 870	68	0.823	0.68	1 652.7	1981	1986	SHELL PANALTA
6.19	0.121	0.75	17 540	75	0.853	0.65	1 859.7	1987	1991	ESSO SHELL DIRECT
4.05	0.109	0.85	18 940	68	0.875	0.62	1 846.7	1976	1991	SUNCOR PANALTA SASKOIL
5.70	0.133	0.70	18 940	83	0.945	0.64	2 049.7	1981	1992	ENCOR HOME SHELL PROGAS CANST DIRECT A&S
3.94	0.140	0.70	19 230	83	0.924	0.59	2 066.4	1980	1984	AMOCO
								1980	1985	NOVER SCEPTRE KANNGAZ BVI MOBIL
										NOVER SCEPTRE KANNGAZ BVI MOBIL
3.60	0.280	0.70	2 340	14	0.952	0.55	306.7	1971	1980	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
PROVOST 037-07W4 (CONTINUED)									
VIKING C ASSOC	50 000	0.75	0.04	36 000 ^b			37		469 193
VIKING C SOLN	2 325	0.12	0.20	223 ^b			37		
BASAL COLORADO A	669	0.70	0.05	445			37		4 214
MANVILLE E	147	0.65	0.05	91			38		678
UPPER MANVILLE HH	3	0.70	0.05	2 ^b			38		150
VIKING & MANN MU#1 TOTAL	53 144	0.70	0.05	36 761 ^b	26 050 ^b	10 711	37	399 520	
VIKING L	710	0.70	0.05	472			36		7 976
VIKING O	22	0.65	0.01	14			37		363
VIKING L & O TOTAL	732	0.70	0.05	486	134	352	36	12 816	
MANVILLE O	698	0.75	0.05	498	371	127	37	4 675	597
MANVILLE Z	1 109	0.85	0.10	849	740	109	38	4 166	2 479
UPPER MANVILLE B ASSOC	12	0.75	0.05	9 ^b			36		45
UPPER MANVILLE B SOLN	376	0.65	0.15	207 ^b			36		
UPPER MANVILLE B ASSOC	418	0.65	0.05	258 ^b			36		638
UPPER MANVILLE B ASSOC	5	0.65	0.05	3 ^b			36		19
UPPER MANVILLE B TOTAL	811	0.65	0.10	477 ^b	137 ^b	340	36	12 169	
UPPER MANVILLE AA	830	0.85	0.05	671	587	84	38	3 206	2 904
UPPER MANVILLE E2E	6 421	0.75	0.10	4 334			38		12 818
LOWER MANVILLE FF	87	0.70	0.10	55			38		528
U MANN E2E&L MANN FF TOTAL	6 508	0.75	0.10	4 389	2 942	1 447	38	54 610	
LOWER MANVILLE EE	750	0.80	0.05	570	481	89	38	3 368	300
OTHER	23 852			15 656	3 054	12 602		458 652	
TOTAL-PROVOST	88 888			60 659	34 565	26 094		961 838	
PUSKASKAU 074-01W6									
TOTAL-PUSKASKAU	1 252			732		732		29 346	
PYRAMID 105-10W6									
TOTAL-PYRAMID	101			67		67		2 514	
QUEENSTOWN 019-21W4									
TOTAL-QUEENSTOWN	814			544		544		20 350	
QUIGLEY (SA) 083-14W4									
TOTAL-QUIGLEY	2			1		1		37	
QUIRK CREEK 021-04W5									
RUNDLE A	13 000	0.80	0.25	7 800	6 628	1 172	40	47 220	2 250
RUNDLE C	619	0.75	0.25	348	285	63	40	2 510	200
RUNDLE E	2 314	0.50	0.25	868	300	568	40	22 709	400
RUND 15-021-05	802	0.80	0.25	482		482	40	19 511	200
OTHER	280			173		173		6 836	
TOTAL-QUIRK CREEK	17 015			9 671	7 213	2 458		98 786	
RACOSTA 031-11W4									
TOTAL-RACOSTA	654			441	59	382		14 461	
RADWAY 059-20W4									
TOTAL-RADWAY	984			627	7	620		23 173	
RAINBOW 110-06W6									
BLUESKY A	6 448	0.80	0.05	4 900	2 639	2 261	37	83 567	42 038
BLUESKY C	470	0.70	0.05	313		313	37	11 559	4 622
SLAVE POINT A	434	0.85	0.10	332	146	186	38	7 007	833
KEG RIVER A SOLN	2 019	0.88	0.30	1 244 ^b			41		
KEG RIVER A ASSOC	880	0.90	0.10	713 ^b	-348 ^b	2 305	41	95 542	87
KEG RIVER B SOLN	3 403	0.72	0.30	1 715 ^b			39		
KEG RIVER B ASSOC		0.80	0.10		332 ^b	1 383	39	53 909	
KEG RIVER F SOLN	5 000	0.60	0.40	1 800 ^b			43		
KEG RIVER F ASSOC	933	0.85	0.15	674 ^b	1 856 ^b	618	43	26 772	697
KEG RIVER O SOLN	1 625	0.80	0.25	975 ^b			40		
KEG RIVER O ASSOC		0.75	0.10		28 ^b	947	40	37 994	
KEG RIVER AA SOLN	2 071	0.70	0.40	870 ^b			44		
KEG RIVER AA ASSOC		0.75	0.10		-304 ^b	1 174	44	51 092	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.60	0.220	0.38	5 890	29	0.890	0.60 0.60	895.0	1952 1952	1985 1985	MATERIAL BALANCE MU - VIKING CAK&MANN E. CONC PROD MATERIAL BALANCE MU - VIKING CAK&MANN E. CONC PROD
2.23 2.61 2.30	0.203 0.190 0.280	0.55 0.75 0.65	6 130 5 670 7 140	34 35 31	0.890 0.901 0.872	0.60 0.60 0.60	929.3 934.9 943.1	1963 1963 1967 1946	1992 1992 1988 1985	PRODUCTION DECLINE PANCDN ATCOR ALT/ROA POCO DYNALTA AMEAGLE MORRIS PANALTA NORCEN HOME KANNGAZ BVI NCMI HUSKY CWNGNUL CANST TCPL CHEL CONCURRENT PRODUCTION
1.23 0.88	0.218 0.230	0.55 0.50	5 860 5 800	33 30	0.902 0.894	0.60 0.61	889.9 929.4	1952 1956 1952	1987 1987 1987	
3.40	0.293	0.75	6 140	26	0.888	0.59	797.9	1972	1990	NORCEN BVI ALT/ROA HOME POCO TCPL MATERIAL BALANCE
2.23 1.84	0.295 0.288	0.80 0.85	7 790 5 670	33 25	0.852 0.900	0.62 0.59 0.59	1 061.9 726.1	1949 1952 1952	1986 1992 1992	PANALTA TCPL MATERIAL BALANCE GPP GPP
4.43 1.73	0.288 0.320	0.85 0.85	5 670 5 670	24 24	0.898 0.898	0.59 0.59	765.0 733.5	1952 1952 1952	1992 1992 1992	
1.94 4.59 1.59	0.224 0.200 0.193	0.65 0.65 0.65	9 120 7 820 7 680	37 35 37	0.833 0.860 0.852	0.64 0.62 0.65	1 068.0 1 125.6 1 145.2	1975 1974 1982 1974	1990 1992 1985 1992	NORCEN CANOXY TCPL GPP CWNGNUL RENENER MATERIAL BALANCE GAS POOL PRODUCING OIL
3.60	0.146	0.60	7 810	35	0.855	0.63	1 126.2	1984	1989	WAINOCO POCO PANCDN HOME PANALTA CWNGNUL ATCOR TCPL KANNGAZ A&S GAS POOL PRODUCING OIL PANALTA A&S PRODUCTION DECLINE
43.39 22.10 59.25 33.50	0.080 0.070 0.063 0.080	0.80 0.80 0.80 0.80	15 720 18 410 18 550 18 100	49 70 73 70	0.745 0.795 0.787 0.802	0.76 0.77 0.80 0.76	1 971.6 2 806.1 2 799.7 2 595.8	1967 1975 1973 1975	1984 1989 1988 1982	TCPL MATERIAL BALANCE TOP/BASE TVD TCPL PRODUCTION DECLINE TCPL TOP/BASE TVD TCPL
5.04 4.43 7.04	0.210 0.207 0.069	0.40 0.40 0.75	2 500 2 700 14 760	22 20 77	0.950 0.946 0.838	0.59 0.59 0.74 0.82	442.2 355.1 1 691.5	1965 1976 1966 1965	1991 1991 1989 1992	TCPL ESSO HUSKY AMOCO MATERIAL BALANCE OPINAC SCEPTRE HUSKY HUSKY DRY GAS BREAKTHROUGH, GPP
52.43	0.110	0.95	17 690	75	0.783	0.82 0.80 0.80 0.87	1 833.7	1965 1965 1965 1966 1966	1992 1988 1988 1990 1990	HUSKY DRY GAS BREAKTHROUGH, GPP HUSKY GPP HUSKY GPP HUSKY GPP HUSKY GPP
20.16	0.043	0.80	17 100	72	0.730	0.87 0.73 0.73 0.81 0.81	1 790.0	1966 1966 1967 1967 1967	1990 1983 1983 1988 1988	HUSKY GAS BREAKTHROUGH, GPP HUSKY GAS BREAKTHROUGH, GPP CONING SECONDARY GAS CAP, GPP CONING SECONDARY GAS CAP, GPP

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
RAINBOW 110-06W6 (CONTINUED)									
KEG RIVER II SOLN	677	0.65	0.30	308 ^b			41		
KEG RIVER II ASSOC		0.75	0.10		49 ^b	259	41	10 681	
KEG RIVER FFF	800	0.90	0.20	576	423	153	42	6 382	64
OTHER	13 832			6 287	1 515	4 772		197 409	
TOTAL-RAINBOW	38 592			20 707	6 336	14 371		581 914	
RAINBOW SOUTH 107-09W6									
KEG RIVER E SOLN	1 446	0.56	0.40	486	298	188	44	8 238	
KEG RIVER A SOLN	1 007	0.32	0.50	161 ^b			39		
KEG RIVER A ASSOC	301	0.85	0.15	218 ^b	353 ^b	26	39	1 026	84
OTHER	6 921			3 170	64	3 106		126 066	
TOTAL-RAINBOW SOUTH	9 675			4 035	715	3 320		135 330	
RAINIER 017-15W4									
TOTAL-RAINIER	534			370	63	307		11 144	
RAM (SA) 037-15W5									
TV 21-037-14	2 610	0.80	0.10	1 879		1 879	38	71 853	600
OTHER	313			175		175		6 657	
TOTAL-RAM	2 923			2 054		2 054		78 510	
RAMBLING 090-07W6									
TOTAL-RAMBLING	34			21		21		781	
RANFURLY 050-12W4									
TOTAL-RANFURLY	1 520			1 008	496	512		19 008	
RASPBERRY (SA) 066-17W5									
TOTAL-RASPBERRY	81			55		55		2 162	
RATZ (SA) 126-18W5									
TOTAL-RATZ	68			47		47		1 763	
REAGAN 001-19W4									
TOTAL-REAGAN	154			75	45	30		1 080	
RED CAP (SA) 046-20W5									
TOTAL-RED CAP	575			395		395		15 452	
RED COULEE 001-17W4									
TOTAL-RED COULEE	30			21	11	10		386	
RED EARTH 087-08W5									
GRANITE WASH A SOLN	806	0.65	0.40	314		314	38	11 860	
OTHER	1 408			693		693		26 650	
TOTAL-RED EARTH	2 214			1 007		1 007		38 510	
RED ROCK 063-07W6									
TOTAL-RED ROCK	1 504			1 066	337	729		28 763	
RED WILLOW 040-17W4									
VIKING C	246	0.75	0.05	176			37		3 638
VIKING D	439	0.60	0.05	250			37		4 555
LOWER MANNVILLE I	13	0.75	0.05	10			37		150
VIK CD&L MANN I TOTAL	698	0.65	0.05	436	116	320	37	11 786	
OTHER	3 758			2 384	629	1 755		64 403	
TOTAL-RED WILLOW	4 456			2 820	745	2 075		76 189	
REDFISH 092-08W5									
TOTAL-REDFISH	27			15		15		550	
REDLAND 027-22W4									
UPPER MANNVILLE A	1 022	0.90	0.04	883	814	69	40	2 737	600
OTHER	492			341	262	79		3 017	
TOTAL-REDLAND	1 514			1 224	1 076	148		5 754	
REDWATER 057-21W4									
UPPER VIKING I	292	0.70	0.05	194			38		3 895
MIDDLE VIKING F	6	0.70	0.05	4			38		200
LOWER VIKING L	194	0.70	0.05	129			38		1 314
UVIK I, MVIK F & LVIK TOTAL	492	0.70	0.05	327	118	209	38	7 883	
UPPER VIKING A	2 526	0.80	0.04	1 940 ^b			37		48 349

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
122.19	0.046	0.80	17 690	60	0.694	0.78 0.78 0.93	1 862.1	1967 1967 1966	1990 1990 1989	NCMI CANST GPP NCMI CANST GPP HUSKY PRODUCTION DECLINE
31.09	0.069	0.90	18 330	68	0.823	0.85 0.72 0.72	1 872.8	1966 1965 1965	1990 1991 1991	HUSKY ESSO HUSKY GPP ESSO HUSKY GPP
19.60	0.093	0.90	36 650	105	1.040	0.64	4 452.2	1988	1992	TOP/BASE TVD
						0.83		1958	1992	
1.17 1.31 1.24	0.143 0.179 0.160	0.65 0.65 0.50	5 970 6 100 8 180	31 33 36	0.898 0.897 0.870	0.59 0.59 0.60	988.1 991.9 1 130.9	1971 1953 1976 1953	1992 1992 1988 1992	PANCDN KANNGAZ PROGAS PANALTA CNG TCPL
3.34	0.190	0.70	10 670	54	0.819	0.69	1 485.4	1961	1987	PANCDN CWNGNUL PRODUCTION DECLINE
1.11 0.50 1.73 0.81	0.218 0.170 0.250 0.240	0.55 0.65 0.60 0.50	5 200 5 200 5 270 5 240	22 22 22 33	0.890 0.897 0.892 0.906	0.60 0.58 0.60 0.60	626.8 625.3 647.1 624.4	1976 1981 1976 1947	1990 1988 1990 1988	TCPL PART OF VIK POOL NO.1

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
REDWATER 057-21W4 (CONTINUED)									
MIDDLE VIKING A	783	0.80	0.04	601 ^b			38		11 540
LOWER VIKING A ASSOC	329	0.80	0.04	252 ^b			38		2 849
LOWER VIKING A SOLN	104	0.60	0.25	47 ^b			38		
UV A & MV A & LV A TOTAL	3 742	0.80	0.05	2 840 ^b	773 ^b	2 067	38	77 802	
D-3 SOLN	6 831	0.62	0.60	1 694 ^b			47		
D-3 ASSOC		0.80	0.25		1 687 ^b	7	47	330	
OTHER	4 255			2 744	647	2 097		77 196	
TOTAL-REDWATER	15 320			7 605	3 225	4 380		163 211	
REINE (SA) 081-22W5									
TOTAL-REINE	34			23		23		889	
REITA 059-03W4									
TOTAL-REITA	225			148	63	85		3 096	
RESDELN 083-06W4									
MCMURRAY F	921	0.75	0.05	656	154	502	37	18 725	2 279
OTHER	1 981			1 208	145	1 063		39 571	
TOTAL-RESDELN	2 902			1 864	299	1 565		58 296	
RETLAW 012-18W4									
BASAL COLORADO B	572	0.85	0.05	462	382	80	36	2 917	3 414
MANNVILLE RR SOLN	277	0.65	0.40	108 ^b			36		
MANNVILLE RR ASSOC	374	0.85	0.10	286 ^b	151 ^b	243	36	8 852	1 960
MANNVILLE Y	1 030	0.85	0.20	701	338	363	38	13 925	245
MANNVILLE K	811	0.90	0.15	621			38		1 317
MANNVILLE L	68	0.75	0.15	43			38		150
MANNVILLE K & L TOTAL	879	0.90	0.15	664	139	525	38	19 992	
MANNVILLE G2G ASSOC	599	0.85	0.10	458	45	413	36	15 037	300
MANNVILLE A3A ASSOC	978	0.90	0.10	792	673	119	38	4 555	264
OTHER	8 837			5 812	1 961	3 851		143 274	
TOTAL-RETLAW	13 546			9 283	3 689	5 594		208 552	
RIBSTONE 042-04W4									
TOTAL-RIBSTONE	1 233			817	237	580		20 345	
RICH 035-21W4									
GLAUCONITIC F	1 777	0.75	0.10	1 200	1 076	124	39	4 780	5 447
GLAUCONITIC G	530	0.80	0.10	382	318	64	39	2 465	1 011
OTHER	1 398			852	285	567		21 521	
TOTAL-RICH	3 705			2 434	1 679	755		28 766	
RICHDALE 030-12W4									
VIKING A	1 121	0.80	0.05	852			38		9 515
VIKING C	595	0.80	0.05	452			38		4 823
VIKING F	120	0.75	0.05	86			37		440
VIKING A.C & F TOTAL	1 836	0.80	0.05	1 390	774	616	38	23 223	
LOWER MANNVILLE T	403	0.80	0.05	306	274	32	39	1 239	1 873
OTHER	3 964			2 688	994	1 694		62 931	
TOTAL-RICHDALE	6 203			4 384	2 042	2 342		87 393	
RICHMOND 069-19W4									
TOTAL-RICHMOND	147			83	55	28		1 042	
RICINUS 035-08W5									
CARDIUM B SOLN	1 013	0.85	0.25	646	136	510	40a	20 624	
CARDIUM Q SOLN	548	0.85	0.10	419	164	255	41	10 376	
CARDIUM A SOLN	2 653	0.85	0.15	1 917 ^b			41a		
CARDIUM A ASSOC	8 316	c	c	6 950 ^b	598 ^b	8 269	41a	335 060	2 569
CARDIUM L ASSOC	3 504	0.85	0.10	2 680 ^b			41		1 316

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
0.96 0.94	0.200 0.220	0.60 0.60	5 670 5 450	33 21	0.895 0.882	0.60 0.60	638.2 644.2	1947 1947	1988 1988	PART OF VIK POOL NO.1 PART OF VIK POOL NO.1 CONCURRENT PRODUCTION PART OF VIK POOL NO.1 CONCURRENT PRODUCTION POCO NORCEN CANST DYNALTA PANCDN CWNGNUL ESSO PART OF VIK POOL NO.1 CONCURRENT PRODUCTION NORCEN AMOCO CWNGNUL ESSD GPP NORCEN AMOCO CWNGNUL ESSO GPP
						0.60		1947 1947	1988 1988	
						1.05 1.05		1948 1948	1988 1988	
8.48	0.333	0.75	1 850	14	0.961	0.56	385.3	1990	1992	
1.28	0.183	0.55	8 820	30	0.851	0.61	947.2	1960	1992	NRTHSTR MORRIS HOME TCPL A&S PRODUCTION DECLINE
1.28 5.52 3.15 4.01	0.166 0.244 0.205 0.190	0.65 0.85 0.70 0.65	11 800 11 790 11 350 8 320	32 35 30 35	0.797 0.780 0.782 0.836	0.68 0.68 0.75 0.71 0.71	1 067.7 1 068.0 1 081.0 1 097.5	1964 1964 1974 1954 1954	1985 1985 1980 1991 1988	INVRNS MORRIS A&S TCPL OIL POOL DEPLETED INVRNS MORRIS A&S TCPL OIL POOL DEPLETED TCPL MATERIAL BALANCE
7.50 2.30	0.248 0.230	0.80 0.70	11 580 11 850	34 32	0.799 0.791	0.69 0.69	1 084.9 1 094.6	1980 1959	1985 1989 1991	SUMMIT A&S SCEPTRE TCPL PROGAS GPP TCPL MORRIS PRODUCTION DECLINE CONCURRENT PRODUCTION
3.83 3.08	0.180 0.205	0.65 0.70	8 720 8 580	59 59	0.868 0.869	0.67 0.67	1 429.1 1 393.3	1953 1973	1985 1985	UNIGAS TCPL PANALTA KANNGAZ CNG MATERIAL BALANCE TCPL PANALTA KANNGAZ MATERIAL BALANCE
1.36 1.59 3.05	0.200 0.196 0.203	0.55 0.50 0.55	7 420 7 490 7 380	35 35 29	0.870 0.873 0.870	0.61 0.60 0.60	933.3 940.5 965.1	1955 1955 1970	1991 1984 1983	
0.99	0.200	0.65	9 310	37	0.823	0.65	1 140.0	1972	1982	CRESTAR INVRNS PANALTA SUMMIT TCPL SCEPTRE TCPL HOME MATERIAL BALANCE
						0.71 0.67 0.92		1969 1971 1969	1990 1986 1988	TCPL AMOCO TCPL TOP/BASE TVD GULF AMOCO TCPL CNG GAS CYCLING, CONING GAS CAP
9.43 12.03	0.143 0.138	0.90 0.90	27 170 14 120	77 65	0.845 0.820	0.92 0.68	2 676.8 2 038.7	1969 1971	1988 1992	GULF AMOCO TCPL CNG GAS CYCLING, CONING GAS CAP MATERIAL BALANCE CONCURRENT PRODN DRY GAS BREAKTHROUGH

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
RICINUS 035-08W5 (CONTINUED)									
CARDIUM L SOLN	210	0.85	0.50	90 ^b			41		
CARDIUM L TOTAL	3 714	0.85	0.10	2 770 ^b	-24 ^b	2 794	41	113 297	
CARDIUM R	960	0.80	0.05	730	237	493	39	19 444	982
CARDIUM QQQ	439	0.85	0.15	317	1	316	41	12 924	200
VIKING A	1 131	0.75	0.10	763			39		600
VIKING A	427	0.75	0.10	288			40		200
VIKING A TOTAL	1 558	0.75	0.10	1 051	532	519	39	20 490	
VIKING E	606	0.80	0.10	437	139	298	39	11 494	200
VIKING C	461	0.85	0.10	353			40		200
VIKING G	588	0.85	0.10	450			39		200
VIKING C & G TOTAL	1 049	0.85	0.10	803	30	773	39	30 503	
VIKING M	239	0.75	0.10	161			39		200
VIKING P	324	0.75	0.10	219			39		200
VIKING M & P TOTAL	563	0.75	0.10	380	12	368	39	14 444	
VIKING N	312	0.85	0.10	239			39		200
VIKING O	211	0.75	0.10	142			39		200
VIKING N & O TOTAL	523	0.80	0.10	381	8	373	39	14 715	
D-3 A	11 668	0.40	0.40	2 800	1 513	1 287	37	47 992	1 561
D-3 B	2 588	0.85	0.45	1 210	479	731	37	27 222	800
D-3 C	1 986	0.80	0.40	953		953	37	35 528	250
OTHER	8 787			5 303	1 668	3 635		143 818	
TOTAL-RICINUS	46 971			27 067	5 493	21 574		857 931	
RICINUS WEST 036-10W5									
D-3 A	49 494	0.90	0.45	24 500	22 482	2 018	38	76 180	2 591
OTHER	454			348	284	64		2 529	
TOTAL-RICINUS WEST	49 948			24 848	22 766	2 082		78 709	
RINGS 080-05W6									
TOTAL-RINGS	168			116		116		4 523	
RIVERCOURSE 047-01W4									
TOTAL-RIVERCOURSE	530			373	125	248		8 693	
RIVIERE 055-27W4									
TOTAL-RIVIERE	508			344	79	265		10 345	
ROBIN 014-20W4									
GLAUCONITIC A	1 183	0.90	0.15	905	151	754	38	28 667	1 515
OTHER	358			229		229		8 586	
TOTAL-ROBIN	1 541			1 134	151	983		37 253	
ROCHE (SA) 067-07W5									
TOTAL-ROCHE	57			36		36		1 392	
ROCHESTER 062-23W4									
TOTAL-ROCHESTER	1 521			970	330	640		23 884	
ROCKYFORD 026-23W4									
TOTAL-ROCKYFORD	1 836			1 123	418	705		27 794	
ROLLA 079-06W6									
TOTAL-ROLLA	286			200		200		7 595	
ROMEO 025-04W4									
TOTAL-ROMEO	514			349		349		13 127	
RONALANE 013-12W4									
TOTAL-RONALANE	82			58		58		2 122	
ROSEBUD 027-21W4									
TOTAL-ROSEBUD	110			75		75		2 906	
ROSEVEAR 054-15W5									
BEAVERHILL LAKE A	7 095	0.90	0.17	5 300	3 640	1 660	38	63 561	3 201
BEAVERHILL LAKE B	6 095	0.85	0.17	4 300	1 923	2 377	38	91 015	2 145
OTHER	343			226		226		8 905	
TOTAL-ROSEVEAR	13 533			9 826	5 563	4 263		163 481	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
						0.68		1971	1992	MATERIAL BALANCE CONCURRENT PRODN DRY GAS BREAKTHROUGH
								1971	1992	TCPL CNG HUSKY AMOCO CONCURRENT PRODN DRY GAS BREAKTHROUGH
4.24	0.253	0.90	12 440	51	0.821	0.64	1 677.3	1971	1988	AMERADA MATERIAL BALANCE
12.10	0.120	0.60	27 060	81	0.862	0.86	2 649.9	1969	1990	PANALTA TCPL
18.63	0.085	0.65	19 530	78	0.864	0.65	2 079.5	1972	1991	
13.72	0.110	0.75	19 800	74	0.860	0.65	2 173.3	1972	1991	TP/BS TVD. ASSIGN WELL 16-04-033-07W5M
								1972	1991	AMERADA PANALTA
20.80	0.100	0.75	20 500	74	0.865	0.66	2 793.1	1978	1988	AMERADA PANALTA
14.40	0.110	0.75	20 980	86	0.856	0.73	2 759.2	1982	1991	TOP/BASE TVD
19.30	0.100	0.80	20 650	85	0.861	0.72	2 856.8	1982	1991	TOP/BASE TVD
								1982	1991	PANALTA AMERADA
13.40	0.070	0.60	24 540	89	0.908	0.67	2 851.2	1991	1991	TOP/BASE TVD
13.70	0.100	0.65	20 450	85	0.892	0.65	2 768.5	1991	1989	TOP/BASE TVD
								1991	1991	PANALTA AMERADA
21.50	0.050	0.70	23 430	86	0.896	0.67	2 729.3	1990	1991	TOP/BASE TVD
15.30	0.050	0.65	24 490	89	0.908	0.67	2 845.9	1990	1991	TOP/BASE TVD
								1990	1991	PANALTA AMERADA
35.15	0.073	0.75	40 610	108	0.973	0.79	4 206.1	1968	1984	TCPL CNG A&S PRODUCTION DECLINE
37.96	0.033	0.85	39 850	118	0.954	0.81	4 233.6	1972	1991	TCPL GULF HUSKY CNG TOP/BASE TVD
34.70	0.090	0.90	35 720	116	0.924	0.81	4 294.0	1991	1992	TOP/BASE TVD
124.66	0.065	0.90	39 910	118	0.949	0.83	4 465.4	1969	1986	HUSKY TCPL CNG A&S MATERIAL BALANCE
4.34	0.192	0.70	11 740	38	0.802	0.71	1 214.5	1981	1992	CRESTAR UNIGAS SUMMIT NRTHSTR KANNGAZ A&S
11.39	0.089	0.85	32 810	116	0.989	0.71	3 222.7	1971	1989	TCPL MATERIAL BALANCE
17.87	0.089	0.85	32 810	116	0.989	0.71	3 224.9	1974	1989	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
ROSSBEAR (SA) 094-14W5 TOTAL-ROSSBEAR	10			6		6		220	
ROUSSEAU (SA) 090-01W6 TOTAL-ROUSSEAU	10			6		6		224	
ROUTE 062-08W6 TOTAL-ROUTE	269			180	13	167		6 494	
ROWLEY 032-20W4 BELLY RIVER A	667	0.75	0.05	475	375	100	37	3 702	905
PEKISK0 A ASSOC		0.92	0.05				40		882
PEKISK0 A SOLN	505	0.65	0.05	312 ^b			40		
PEKISK0 A ASSOC		0.92	0.05				40		1 081
PEKISK0 A ASSOC		0.92	0.05				40		188
PEKISK0 A TOTAL	1 913	0.85	0.05	1 542 ^b	1 288 ^b	254			
OTHER	3 769			2 344	748	1 596		61 574	
TOTAL-ROWLEY	6 349			4 361	2 411	1 950		65 276	
ROXANA 078-19W5 TOTAL-ROXANA	633			420	1	419		15 667	
ROYAL 053-16W4 TOTAL-ROYAL	1 370			847	211	636		23 756	
ROYCE 084-07W6 WAB 02-084-07	571	0.75	0.10	385		385	36	13 983	440
OTHER	260			187		187		6 753	
TOTAL-ROYCE	831			572		572		20 736	
RUBEN (SA) 083-03W5 TOTAL-RUBEN	5			3		3		116	
RUMSEY 034-21W4 TOTAL-RUMSEY	1 748			1 091	723	368		13 841	
RUNDLE 065-16W4 TOTAL-RUNDLE	158			96	54	42		1 565	
RUSSET (SA) 120-22W5 TOTAL-RUSSET	52			37		37		1 365	
RYAN (SA) 096-14W5 TOTAL-RYAN	45			26		26		954	
RYCROFT 077-04W6 GETHING D	551	0.80	0.10	397	21	376	38	14 123	150
OTHER	2 682			1 593	310	1 283		49 738	
TOTAL-RYCROFT	3 233			1 990	331	1 659		63 861	
SABBATH (SA) 106-12W6 TOTAL-SABBATH	10			7		7		267	
SADDLE HILLS 076-08W6 PADDY B	1 203	0.70	0.05	800	573	227	37	8 385	1 681
CADOTTE D	568	0.70	0.05	378	95	283	37	10 556	1 177
OTHER	1 612			991	158	833		31 780	
TOTAL-SADDLE HILLS	3 383			2 169	826	1 343		50 721	
SAKWATAMAU 063-14W5 TOTAL-SAKWATAMAU	758			489	13	476		18 254	
SALESKI 086-18W4 GROSMONT A	3 494	0.50	0.05	1 660	1 194	466	36	16 995	35 467
GROSMONT B	497	0.70	0.05	331	286	45	36	1 641	5 457
OTHER	155			77		77		2 823	
TOTAL-SALESKI	4 146			2 068	1 480	588		21 459	
SALTER 027-08W5 RUNDLE A	3 581	0.70	0.25	1 880	319	1 561	37	58 475	1 780
TOTAL-SALTER	3 581			1 880	319	1 561		58 475	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
9.34 4.83	0.308 0.077	0.60 0.80	3 100 10 240	27 50	0.945 0.825	0.56 0.68	677.7 1 348.8	1964 1960	1991 1992	TCPL PRODUCTION DECLINE MATERIAL BALANCE CONCURRENT PRODUCTION
2.25 3.35	0.158 0.048	0.85 0.80	10 360 10 220	50 39	0.827 0.799	0.67 0.67	1 332.4 1 350.3	1960 1960	1992 1992	MATERIAL BALANCE CONCURRENT PRODUCTION MATERIAL BALANCE MATERIAL BALANCE KANNGAZ TCPL ESSO CONCURRENT PRODUCTION
15.85	0.060	0.70	22 370	85	0.912	0.65	2 128.3	1974	1983	TCPL
21.40	0.190	0.75	11 890	52	0.863	0.63	1 262.2	1983	1989	A&S
6.09 4.71	0.180 0.250	0.60 0.65	7 020 6 410	52 46	0.901 0.906	0.62 0.60	1 215.8 1 105.8	1972 1957	1988 1990	POCD NORCEN ALT/ROA AEL A&S TCPL MATERIAL BALANCE NORCEN CWNGNUL
13.68 13.07	0.133 0.122	0.15 0.30	780 750	9 9	0.983 0.983	0.57 0.57	244.8 235.8	1977 1980	1991 1991	PANALTA NCMI A&S PARAMNT MATERIAL BALANCE PANALTA PRODUCTION DECLINE
21.20	0.051	0.75	26 900	75	0.886	0.68	2 670.7	1972	1987	PANALTA TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SAMSON 044-24W4 TOTAL-SAMSON	1 022			737	282	455		17 777	
SAND (SA) 069-08W4 TOTAL-SAND	42			23		23		848	
SANDY 082-20W4 TOTAL-SANDY	2			1	1				
SANGUDO 057-06W5 TOTAL-SANGUDO	355			247	2	245		8 789	
SAPPHIRE (SA) 002-05W4 TOTAL-SAPPHIRE	171			122		122		4 517	
SARAH 066-07W5 TOTAL-SARAH	109			73		73		2 775	
SARCEE 023-03W5 RUNDLE A TOTAL-SARCEE	6 744 6 744	0.85	0.18	4 700 4 700	3 693 3 693	1 007 1 007	39	39 515 39 515	1 304
SAUNDERS 040-13W5 RUNDLE B TV 19-040-13 TOTAL-SAUNDERS	1 598 760 2 358	0.40 0.60	0.10 0.10	575 410 985	154 154	421 410 831	38 39	16 192 15 871 32 063	991 200
SAVANNA CREEK 014-04W5 RUNDLE A TOTAL-SAVANNA CREEK	6 860 6 860	0.80	0.20	4 390 4 390	3 174 3 174	1 216 1 216	38	45 685 45 685	2 992
SAWDY 069-22W4 TOTAL-SAWDY	119			82	32	50		1 873	
SAXON 061-24W5 TOTAL-SAXON	312			214		214		8 250	
SCANDIA 016-16W4 TOTAL-SCANDIA	205			164	160	4		147	
SCULLY (SA) 100-20W5 TOTAL-SCULLY	84			60		60		2 131	
SEAL 082-14W5 DBLT 082-14 OTHER TOTAL-SEAL	556 496 1 052	0.70	0.15	331 327 658		331 327 658	37	12 403 12 050 24 453	931
SEDALIA 030-05W4 BELLY RIVER A BELLY RIVER D VIKING C VIKING E VIKING C & E TOTAL VIKING A VIKING F UPPER MANNVILLE D LOWER MANNVILLE B VIK A&F, UMN D & LMN TOTAL OTHER TOTAL-SEDALIA	1 600 552 1 562 714 1 406 5 834	0.50 0.60 0.73 0.73 0.75 0.70 0.70 0.70 0.70 0.70 0.70	0.05 0.05 0.08 0.08 0.10 0.08 0.08 0.05 0.05 0.05	760 314 1 050 465 866 3 455	676 299 830 417 455 2 677	84 15 220 48 411 778	37 37 37 37 37 37 37 37	3 090 551 8 116 1 780 15 136 28 673	6 424 2 451 10 604 4 632 7 515 200 256 1 294
SEDGEWICK 042-12W4 BASAL MANNVILLE A OTHER TOTAL-SEDGEWICK	614 266 880	0.85	0.10	470 188 658	388 32 420	82 156 238	37	3 021 5 705 8 726	1 001
SEIU LAKE 025-18W4 BELLY RIVER B MEDICINE HAT A SE ALTA GAS SYS (MU) TOTAL UPPER MANNVILLE A	567 856 856 31	0.90 0.70 0.70 0.85	0.05 0.03 0.05 0.10	485 581 581 23	7	478 36 36 39	37 36 36	17 504 21 189	250 12 401 333

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
29.54	0.074	0.80	26 300	81	0.900	0.71	3 051.2	1954	1984	CWNGNUL MATERIAL BALANCE DEEP CUT SL
13.58	0.059	0.80	32 030	93	0.989	0.62	3 571.4	1976	1984	AMERADA TCPL
31.54	0.060	0.80	35 580	115	1.039	0.62	4 002.0	1977	1991	TCPL
62.70	0.045	0.85	19 210	73	0.851	0.69	2 534.2	1954	1987	KANNGAZ MOBIL HUSKY MATERIAL BALANCE
6.10	0.234	0.90	4 550	30	0.919	0.65	609.3	1972	1992	NORCEN BER
3.26	0.341	0.70	1 370	7	0.970	0.56	195.4	1973	1992	CRESTAR CWNGNUL TCPL ESSO PRODUCTION
3.75	0.339	0.75	1 370	10	0.970	0.56	202.7	1975	1988	DECLINE
1.13	0.236	0.55	6 380	32	0.889	0.59	835.8	1954	1985	CWNGNUL PRODUCTION DECLINE
0.81	0.216	0.45	6 280	32	0.895	0.58	835.8	1958	1985	MATERIAL BALANCE
								1954	1985	MATERIAL BALANCE
1.64	0.226	0.30	6 570	32	0.892	0.57	749.2	1954	1985	SCEPTRE BVI TCPL
0.75	0.120	0.40	6 380	32	0.889	0.59	782.4	1956	1992	PART OF VIK POOL NO.5 PRODUCTION DECLINE
2.44	0.220	0.50	7 330	31	0.872	0.59	801.6	1957	1992	PART OF VIK POOL NO.5 PRODUCTION DECLINE
2.20	0.280	0.35	7 950	32	0.870	0.58	829.2	1976	1992	PART OF VIK POOL NO.5 PRODUCTION DECLINE
								1968	1992	PART OF VIK POOL NO.5 PRODUCTION DECLINE
								1956	1992	PANALTA TCPL PART OF VIK POOL NO.5
3.62	0.301	0.80	6 740	35	0.884	0.63	897.7	1954	1990	TCPL HUSKY
22.00	0.260	0.55	6 620	23	0.883	0.57	572.5	1988	1990	TCPL
1.60	0.170	0.55	4 310	17	0.916	0.56	783.7	1904	1987	PART OF MED HAT POOL NO.1
								1904	1983	PANCDN TCPL
0.90	0.175	0.55	9 720	38	0.815	0.66	1 291.3	1960	1992	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SEIU LAKE 025-18W4 (CONTINUED)									
UPPER MANNVILLE A	734	0.85	0.10	562			39		3 043
UPPER MANNVILLE A	36	0.70	0.10	23			39		300
UPPER MANNVILLE A	68	0.70	0.10	43			38		188
UPPER MANNVILLE A	21	0.75	0.10	14			38		150
UPPER MANNVILLE A TOTAL	890	0.85	0.10	665	603	62	39	2 438	
OTHER	1 595			1 044	212	832		31 953	
TOTAL-SEIU LAKE	3 908			2 775	822	1 953		73 084	
SEXSMITH 074-06W6									
TOTAL-SEXSMITH	1 517			1 001	211	790		30 593	
SHADOW 074-17W5									
TOTAL-SHADOW	79			59		59		2 205	
SHANE 077-02W6									
KISKATINAW B	1 115	0.90	0.10	904	121	783	39	30 670	1 008
OTHER	555			394	84	310		12 034	
TOTAL-SHANE	1 670			1 298	205	1 093		42 704	
SHANNON 026-06W4									
TOTAL-SHANNON	222			147	4	143		5 306	
SHAUNICY (SA) 006-03W4									
TOTAL-SHAUNICY	11			7		7		256	
SHAW 049-22W5									
SPRAY RIVER A	139	0.75	0.10	94			37		200
RUNDLE A	2 345	0.40	0.10	844			38		2 348
SPRAY RIV A&RUNDLE A TOTAL	2 484	0.40	0.10	938	411	527	38	20 015	
TOTAL-SHAW	2 484			938	411	527		20 015	
SHEKILIE 117-09W6									
SUL PT 08-119-07	419	0.85	0.15	303		303	36	10 884	64
KR 11-118-08	944	0.80	0.25	566		566	43	24 202	64
OTHER	4 900			2 631	225	2 406		96 556	
TOTAL-SHEKILIE	6 263			3 500	225	3 275		131 642	
SHETLAND 106-10W6									
TOTAL-SHETLAND	27			18		18		652	
SHOULDICE 020-23W4									
MEDICINE HAT A	943	0.70	0.03	640			36		14 671
SE ALTA GAS SYS (MU) TOTAL	943	0.70	0.05	640		640	36	23 341	
GLAUCONITIC U SOLN	20	0.65	0.30	9 ^b			40		
GLAUCONITIC U ASSOC	506	0.90	0.10	410 ^b	267 ^b	152	40	6 004	252
OTHER	2 165			1 325	402	923		36 303	
TOTAL-SHOULDICE	3 634			2 384	669	1 715		65 648	
SIBBALD 027-02W4									
VIKING A	1 039	0.80	0.05	789	692	97	37	3 559	2 989
OTHER	2 058			1 380	368	1 012		37 169	
TOTAL-SIBBALD	3 097			2 169	1 060	1 109		40 728	
SILER 057-06W4									
TOTAL-SILER	186			120	20	100		3 662	
SILVER 017-28W4									
TOTAL-SILVER	236			161		161		6 218	
SIMONETTE 063-26W5									
DUNVEGAN F ASSOC	2 603	0.70	0.10	1 640	287	1 353	41	55 838	3 518
GETHING A	1 094	0.75	0.10	739	228	511	40	20 486	1 401
WABAMUN A	600	0.85	0.35	332	281	51	39	1 979	128
D-3 SOLN	10 882	0.34	0.50	1 850 ^b			41		
D-3 ASSOC		0.80	0.25		1 657 ^b	193	41	7 952	
OTHER	2 307			1 431	285	1 146		46 323	
TOTAL-SIMONETTE	17 486			5 992	2 738	3 254		132 578	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.08 1.80 3.55 2.00	0.183 0.130 0.169 0.140	0.60 0.50 0.60 0.40	9 690 9 500 9 300 11 540	42 45 43 52	0.828 0.837 0.831 0.827	0.65 0.65 0.67 0.67	1 337.0 1 392.5 1 399.5 1 423.0	1960 1960 1960 1980 1960	1992 1992 1992 1992 1992	TCPL NOVER PANCDN DIRECT
1.43	0.153	0.75	14 520	63	0.801	0.73	1 518.6	1976	1992	TCPL MATERIAL BALANCE
2.40 10.58	0.090 0.050	0.90 0.85	32 680 33 270	99 137	1.008 1.039	0.62 0.61	3 920.5 3 973.3	1973 1973 1973	1986 1984 1986	PRODUCTION DECLINE TOP/BASE TVD TOP/BASE TVD TCPL
60.13 85.00	0.098 0.100	0.85 0.80	13 710 19 860	66 71	0.879 0.757	0.67 0.84	1 639.5 1 732.5	1969 1983	1969 1984	HOME UNIGAS
1.49	0.170	0.55	4 310	17	0.916	0.56 0.67	872.4	1904 1904 1981	1988 1988 1989	PART OF MED HAT POOL NO.1 NOVER PANALTA PROGAS AMERADA DIRECT NORCEN CONCURRENT PRODUCTION AMERADA DIRECT NORCEN CONCURRENT PRODUCTION
7.48	0.222	0.80	13 330	45	0.788	0.67	1 648.2	1981	1989	
2.49	0.228	0.50	6 880	31	0.886	0.58	755.1	1951	1973	CRESTAR A&S TCPL MATERIAL BALANCE
5.62 4.71 46.94	0.125 0.130 0.080	0.70 0.70 0.85	13 860 19 530 34 160	59 77 104	0.789 0.871 0.903	0.70 0.63 1.13 0.87 0.87	1 829.7 2 525.4 3 364.9	1959 1970 1959 1958 1958	1990 1988 1989 1992 1992	PROGAS OIL POOL DEPLETED ENCOR SCEPTRE BVI DIRECT A&S AMOCO PRODUCTION DECLINE SECONDARY GAS CAP BEING PRODUCED. GPP SECONDARY GAS CAP BEING PRODUCED. GPP

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SIMONETTE NORTH (SA) 064-25W5 TOTAL-SIMONETTE NORTH	35			23		23		889	
SINCLAIR 074-12W6									
PADDY A	5 062	0.90	0.10	4 100	3 920	180	41	7 315	3 437
PADDY B	1 243	0.80	0.10	895	873	22	41	891	1 743
PADDY D	494	0.85	0.10	378	132	246	40	9 943	1 725
FALHER A	2 852	0.85	0.15	2 060	1 567	493	40	19 863	11 200
BLUESKY A		0.75	0.05				38		200
BLUESKY C		0.85	0.10				38		629
BLUESKY A & C TOTAL	447	0.85	0.10	342	259	83	38	3 158	
CADOMIN A	4 236	0.70	0.15	2 520	48	2 472	38	93 565	13 114
DOIG A	10 370	0.75	0.10	7 000	2 982	4 018	38	151 720	4 715
OTHER	7 234			4 799	1 122	3 677		144 076	
TOTAL-SINCLAIR	31 938			22 094	10 903	11 191		430 531	
SIPHON (SA) 086-10W6 TOTAL-SIPHON	26			19		19		713	
SKARO 057-19W4 TOTAL-SKARO	170			113		113		4 324	
SLAVE 084-14W5 TOTAL-SLAVE	874			543	38	505		17 634	
SMITH 071-25W4									
WABISKAW A	481	0.80	0.05	366		366	37	13 612	1 682
OTHER	1 419			920	38	882		33 066	
TOTAL-SMITH	1 900			1 286	38	1 248		46 678	
SMITH COULEE 004-11W4									
BOW ISLAND A	941	0.85	0.05	760	706	54	35	1 869	17 862
BOW ISLAND B	421	0.85	0.05	340	333	7	35	246	4 973
OTHER	160			105	26	79		2 706	
TOTAL-SMITH COULEE	1 522			1 205	1 065	140		4 821	
SMOKY (SA) 059-03W6 TOTAL-SMOKY	156			112		112		4 384	
SMOKY HEIGHTS (SA) 074-02W6 TOTAL-SMOKY HEIGHTS	404			315		315		11 741	
SNEDDON 080-10W6 TOTAL-SNEDDON	228			150		150		5 681	
SNIPER LAKE 071-18W5 TOTAL-SNIPE LAKE	1 832			293	290	3		118	
SNOWFALL 099-08W6 TOTAL-SNOWFALL	324			232		232		9 261	
SOUNDING 030-09W4 TOTAL-SOUNDING	1 126			740	433	307		11 592	
SOUSA 112-05W6									
BLUESKY A	751	0.50	0.05	357	310	47	38	1 795	13 193
OTHER	431			259	21	238		8 959	
TOTAL-SOUSA	1 182			616	331	285		10 754	
SPENCER 066-08W4 TOTAL-SPENCER	45			26		26		953	
SPIERS 034-15W4 TOTAL-SPIERS	967			624	308	316		11 728	
SPIRIT RIVER 078-07W6 TOTAL-SPIRIT RIVER	2 118			1 212	161	1 051		40 448	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
6.59	0.150	0.80	12 700	60	0.816	0.68	1 666.2	1978	1990	HUSKY TCPL MATERIAL BALANCE DEEP CUT SL
7.13	0.115	0.75	11 310	60	0.833	0.66	1 615.3	1978	1991	TCPL
3.43	0.121	0.60	10 910	55	0.823	0.67	1 452.8	1978	1990	NORCEN PANCDN PROGAS PANALTA
3.14	0.080	0.60	14 150	65	0.827	0.66	1 826.9	1977	1986	CRESTAR PANALTA AMOCO PROGAS HUSKY TCPL
1.20	0.130	0.65	13 890	51	0.846	0.61	1 834.9	1981	1992	MATERIAL BALANCE DEEP CUT SL
1.59	0.092	0.65	13 870	77	0.880	0.63	1 876.3	1977	1992	PRODUCTION DECLINE
5.45	0.053	0.70	18 180	87	0.899	0.62	2 358.0	1977	1990	PRODUCTION DECLINE
13.29	0.090	0.85	26 150	101	0.954	0.59	2 516.5	1977	1991	TCPL PROGAS PANALTA
										CRESTAR AMOCO PANALTA TCPL PART OF CDM
										POOL NO.1 DEEP CUT SL
										NORCEN PANCDN PROGAS PANALTA HUSKY TCPL
										MATERIAL BALANCE
4.55	0.245	0.80	3 210	29	0.943	0.58	578.6	1989	1991	ULSTER PROGAS NONCOMMERCIAL OIL
0.97	0.189	0.60	4 340	19	0.921	0.59	618.8	1947	1984	CRESTAR SCEPTRE ESSO CMG MATERIAL BALANCE
0.90	0.266	0.60	4 360	24	0.926	0.58	648.7	1947	1992	ESSO CMG PRODUCTION DECLINE
2.43	0.210	0.40	2 650	15	0.939	0.60	220.2	1974	1991	PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	
SPRUCE GROVE 052-27W4 TOTAL-SPRUCE GROVE	123			85		85		3 248	
SPUR 072-02W5 WABISKAW A	600	0.75	0.05	428	362	66	37	2 443	2 728
OTHER	819			535	197	338		12 540	
TOTAL-SPUR	1 419			963	559	404		14 983	
SPUTINA (SA) 096-23W4 TOTAL-SPUTINA	94			63		63		2 265	
ST ALBERT-BIG LAKE 053-26W4 OSTRACOD A	3 300	0.85	0.05	2 665	2 665	< 1	39	-	3 074
BASAL QUARTZ B	692	0.85	0.15	500		500	39	19 500	404
OTHER	1 355			824	31	793		30 450	
TOTAL-ST ALBERT-BIG LAKE	5 347			3 989	2 696	1 293		49 950	
ST ANNE 054-04W5 TOTAL-ST ANNE	724			456	152	304		11 984	
ST PAUL 058-09W4 UPPER MANNVILLE A	1 104	0.80	0.05	839	411	428	38	16 076	1 500
OTHER	1 602			963	361	602		22 438	
TOTAL-ST PAUL	2 706			1 802	772	1 030		38 514	
STANDARD 026-22W4 VIKING A	652	0.90	0.10	528	110	418	39	16 189	1 703
OTHER	12			8		8		304	
TOTAL-STANDARD	664			536	110	426		16 493	
STANDISH (SA) 068-07W4 TOTAL-STANDISH	7			4		4		149	
STANMORE 029-11W4 VIKING A		0.70	0.05				38		12 191
VIKING B		0.70	0.05				38		2 383
UPPER MANNVILLE Z		0.85	0.05				39		2 268
VIKING A,B U MANN Z TOTAL	2 895	0.75	0.05	2 060	1 893	167			
OTHER	4 198			2 952	1 550	1 402		52 868	
TOTAL-STANMORE	7 093			5 012	3 443	1 569		52 868	
STEELE 066-25W4 GRAND RAPIDS R SOLN	7	0.65	0.60	2b			36		
GRAND RAPIDS R ASSOC	834	0.75	0.05	595b	265b	332	36	12 032	523
WABAMUN F	496	0.70	0.05	330	303	27	38	1 017	1 174
OTHER	2 865			1 847	827	1 020		38 564	
TOTAL-STEELE	4 202			2 774	1 395	1 379		51 613	
STEEN 108-01W6 TOTAL-STEEN	358			179		179		6 635	
STEEP BANK (SA) 094-07W4 TOTAL-STEEP BANK	69			33		33		1 229	
STETTTLER 038-20W4 TOTAL-STETTTLER	1 270			380	277	103		4 062	
STETTTLER NORTH 039-20W4 LOWER MANNVILLE B	716	0.75	0.10	483	336	147	39	5 707	595
OTHER	469			253	20	233		8 924	
TOTAL-STETTTLER NORTH	1 185			736	356	380		14 631	
STEVE 059-07W4 TOTAL-STEVE	778			508	355	153		5 823	
STEWART 032-28W4 TOTAL-STEWART	448			283		283		11 519	
STIMSON (SA) 015-02W5 TOTAL-STIMSON	59			27		27		1 070	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.79	0.263	0.75	3 340	27	0.940	0.57	573.1	1979	1992	SHELL CNRL AMEAGLE SCEPTRE ATCOR SASKOIL NORCEN A&S PRODUCTION DECLINE
2.80	0.192	0.75	10 090	35	0.760	0.78	1 128.9	1952	1992	
9.90	0.198	0.85	9 410	49	0.808	0.78	1 144.4	1952	1992	ESSO
3.59	0.291	0.75	3 280	16	0.931	0.57	479.4	1947	1990	RENENER NCMI OPINAC PANALTA ESSO CENTRA TCPL MATERIAL BALANCE
2.56	0.200	0.60	8 890	30	0.822	0.63	1 278.9	1956	1973	TCPL
2.14	0.233	0.55	7 310	33	0.873	0.60	865.1	1961	1991	PRODUCTION DECLINE
1.49	0.267	0.50	7 310	33	0.873	0.60	882.1	1961	1991	PRODUCTION DECLINE
1.69	0.231	0.65	9 450	38	0.825	0.64	1 044.1	1970	1983	PRODUCTION DECLINE
								1961	1992	TCPL PROGAS OPINAC ESSO NRTHSTR A&S
13.06	0.301	0.80	4 760	21	0.908	0.59	625.3	1988	1992	RENENER CONING GAS CAP
7.25	0.162	0.65	4 120	32	0.924	0.60	667.6	1988	1992	RENENER CONING GAS CAP
								1975	1991	NRTHSTR TCPL PRODUCTION DECLINE
3.65	0.207	0.80	9 600	56	0.865	0.65	1 339.1	1975	1990	GARDNER BVI SCEPTRE TCPL CENTRA MATERIAL BALANCE NONCOMMERCIAL OIL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
STIRLING 007-19W4									
BOW ISLAND A	536	0.85	0.05	433	408	25	37	924	5 584
OTHER	32			17		17		581	
TOTAL-STIRLING	568			450	408	42		1 505	
STOLBERG 042-15W5									
RUNDLE A	2 708	0.50	0.10	1 220			39		1 021
RUNDLE B	4 178	0.50	0.10	1 880			39		2 779
RUNDLE C	552	0.50	0.15	235			39		440
RUNDLE D	1 570	0.50	0.15	667			39		1 794
RUNDLE A,B,C & D TOTAL	9 008	0.50	0.10	4 002	1 624	2 378	39	92 409	
RUNDLE E	951	0.45	0.10	385			39		400
RUNDLE F	803	0.45	0.10	325			39		335
RUNDLE G	565	0.50	0.15	241			39		440
RUNDLE E, F & G TOTAL	2 319	0.45	0.10	951	601	350	39	13 594	
OTHER	224			151		151		6 152	
TOTAL-STOLBERG	11 551			5 104	2 225	2 879		112 155	
STONY PLAIN (SA) 053-01W5									
TOTAL-STONY PLAIN	103			70		70		2 709	
STRACHAN 037-09W5									
GLAUCONITIC B	1 000	0.80	0.10	720	686	34	40	1 344	2 041
GLAUCONITIC D	817	0.80	0.05	621	330	291	39	11 413	1 522
GLAUCONITIC G	467	0.75	0.10	315	241	74	40	2 927	150
D-3 A	40 741	0.90	0.25	27 500	25 055	2 445	39	95 795	1 973
D-3 B	540	0.90	0.20	389	360	29	38	1 101	645
D-3 C	3 147	0.60	0.20	1 510	1 317	193	39	7 475	723
D-3 D	1 314	0.80	0.25	788	6	782	39	30 615	250
OTHER	2 704			1 878	278	1 600		62 923	
TOTAL-STRACHAN	50 730			33 721	28 273	5 448		213 593	
STRATHMORE 024-25W4									
BELLY RIVER A	5 457	0.60	0.05	3 110	2 181	929	36	33 871	13 957
VIKING B	576	0.75	0.05	410	326	84	37	3 074	5 197
OTHER	1 805			1 005	291	714		27 242	
TOTAL-STRATHMORE	7 838			4 525	2 798	1 727		64 187	
STROME 044-16W4									
MANNVILLE G	844	0.75	0.05	601	238	363	37	13 362	1 173
OTHER	2 445			1 558	560	998		36 968	
TOTAL-STROME	3 289			2 159	798	1 361		50 330	
STRY 058-13W4									
UPPER MANNVILLE A	1 000	0.70	0.05	665	251	414	37	15 484	4 115
OTHER	1 519			974	408	566		21 115	
TOTAL-STRY	2 519			1 639	659	980		36 599	
STURGEON LAKE 071-23W5									
TOTAL-STURGEON LAKE	2 048			594	129	465		17 470	
STURGEON LAKE SOUTH 069-22W5									
D-3 SOLN	8 967	0.55	0.45	2 713 ^b			37		
D-3 ASSOC	333	0.80	0.20	213 ^b	2 229 ^b	697	37	25 921	226
OTHER	3 041			1 669	252	1 417		54 794	
TOTAL-STURGEON LAKE SOUTH	12 341			4 595	2 481	2 114		80 715	
SUFFIELD 018-06W4									
MILK RIVER A	31 127	0.70	0.05	20 700			36		261 713
MEDICINE HAT A	16 494	0.70	0.03	11 200			36		224 904
MEDICINE HAT C	1 836	0.50	0.03	890			36		58 896
MEDICINE HAT D	2 062	0.50	0.03	1 000			36		46 656
SECOND WHITE SPECKS A	15 860	0.75	0.05	11 300			36		153 056
SE ALTA GAS SYS(MU) TOTAL	67 379	0.70	0.05	45 090	26 584	18 506	36	674 914	
BOW ISLAND N	757	0.80	0.05	576	286	290	36	10 428	2 218
UPPER MANNVILLE I	1 684	0.80	0.05	1 280	75	1 205	36	43 031	2 186
UPPER MANNVILLE J ASSOC	9	0.75	0.05	7 ^b			36		8

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.62	0.204	0.65	3 360	27	0.940	0.56	781.5	1957	1986	CWNGNUL PRODUCTION DECLINE
24.06	0.050	0.85	31 830	107	0.995	0.64	3 471.4	1957	1984	TOP/BASE TVD
15.80	0.047	0.85	32 470	112	1.007	0.64	3 802.7	1957	1984	
13.10	0.047	0.85	33 290	117	1.013	0.65	4 113.6	1957	1984	TOP/BASE TVD
8.94	0.048	0.85	33 400	117	1.015	0.64	3 981.1	1974	1984	TOP/BASE TVD
21.30	0.052	0.85	31 770	91	0.983	0.63	3 386.1	1957	1984	ENCOR AMOCO PANALTA TCPL
19.27	0.058	0.85	32 310	94	0.992	0.62	3 769.5	1976	1991	
12.60	0.050	0.85	33 400	117	1.015	0.64	3 892.5	1974	1984	
								1976	1984	ENCOR AMERADA HOME PANALTA TCPL
4.18	0.075	0.70	32 110	99	0.983	0.65	3 004.0	1981	1989	AMERADA HILL AMOCO PROGAS HUSKY TCPL CNG
3.12	0.100	0.70	31 460	98	0.981	0.64	3 008.9	1972	1991	ESSO A&S PRODUCTION DECLINE
6.60	0.068	0.80	30 120	87	0.951	0.65	3 333.6	1985	1992	AMERADA HUSKY TCPL CNG ESSO A&S
115.81	0.082	0.90	49 300	124	1.151	0.76	4 110.8	1967	1986	AMERADA HUSKY TCPL CNG ESSO A&S PRODUCTION DECLINE TOP/BASE TVD
51.51	0.031	0.80	49 190	124	1.162	0.63	4 097.9	1970	1987	A&S HUSKY TCPL CNG MATERIAL BALANCE
25.01	0.080	0.80	31 410	116	0.964	0.75	3 712.6	1972	1992	TOP/BASE TVD
25.00	0.090	0.85	37 720	115	1.006	0.78	4 242.1	1990	1992	TCPL HUSKY CNG MATERIAL BALANCE TOP/BASE TVD
7.49	0.211	0.60	3 160	30	0.946	0.57	887.9	1962	1991	AMERADA AMOCO TCPL
1.07	0.148	0.65	7 700	44	0.884	0.62	1 464.0	1963	1992	TOP/BASE TVD
5.95	0.239	0.70	7 170	44	0.890	0.63	1 042.5	1980	1989	UNIGAS PANCDN CWNGNUL MATERIAL BALANCE
2.95	0.327	0.60	4 050	24	0.924	0.56	615.9	1970	1987	PANCDN CWNGNUL TCPL PRODUCTION DECLINE
17.85	0.044	0.80	26 710	86	0.902	0.78	2 518.4	1953	1987	TCPL A&S
7.80	0.154	0.55	3 140	16	0.937	0.56	355.3	1910	1983	TCPL SASKEN
1.70	0.170	0.55	4 310	17	0.916	0.56	435.3	1904	1982	GARDNER POCD AMERADA A&S GPP
0.79	0.139	0.60	4 450	19	0.916	0.56	412.5	1973	1992	GARDNER POCD AMERADA A&S GPP
1.12	0.139	0.60	4 450	19	0.916	0.56	435.4	1973	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.34	0.216	0.60	5 690	27	0.904	0.56	623.5	1944	1987	PART OF MED HAT POOL NO.1
2.40	0.267	0.65	7 550	27	0.874	0.59	813.9	1970	1991	PART OF MED HAT POOL NO.3
3.65	0.232	0.75	10 520	33	0.850	0.60	977.4	1974	1991	PART OF MED HAT POOL NO.4
5.20	0.270	0.80	9 340	35	0.865	0.59	889.4	1966	1991	PART OF 2WS POOL NO.1
										CRESTAR POCD AEC RENENER PANALTA CWNGNUL TCPL A&S
										PANALTA TCPL
										MATERIAL BALANCE
										GPP

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SUFFIELD 018-06W4 (CONTINUED)									
UPPER MANNVILLE J SOLN	893	0.65	0.05	551 ^b			36		
UPPER MANNVILLE J ASSOC	54	0.75	0.05	39 ^b			36		64
UPPER MANNVILLE J TOTAL	956	0.65	0.05	597 ^b	41 ^b	556	36	20 077	
UPPER MANNVILLE AA	399	0.80	0.05	303	26	277	37	10 302	300
OTHER	4 480			2 977	1 016	1 961		70 490	
TOTAL-SUFFIELD	75 655			50 823	28 028	22 795		829 242	
SUGDEN 062-10W4									
VIKING A	3 973	0.40	0.05	1 510	19	1 491	37	55 853	67 678
COLONY D	589	0.75	0.05	420	293	127	37	4 743	1 515
COLONY S	406	0.85	0.05	328	181	147	36	5 349	1 685
GRAND RAPIDS J		0.65	0.05				37		1 565
GRAND RAPIDS K		0.65	0.05				38		413
GRAND RAPIDS J & K TOTAL	615	0.65	0.05	380	274	106	37	3 965	
GRAND RAPIDS A	540	0.75	0.05	385			37		5 040
GRAND RAPIDS O	54	0.65	0.05	33			37		200
GRAND RAPIDS A & O TOTAL	594	0.75	0.05	418	133	285	37	10 542	
MCMURRAY C	640	0.65	0.05	395	302	93	37	3 450	800
OTHER	6 023			3 822	1 613	2 209		82 410	
TOTAL-SUGDEN	12 840			7 273	2 815	4 458		166 312	
SULLIVAN LAKE 035-13W4									
BELLY RIVER A	627	0.75	0.05	447			37		2 085
BELLY RIVER B	52	0.70	0.05	34			37		487
BELLY RIVER A & B TOTAL	679	0.75	0.05	481	395	86	37	3 180	
OTHER	1 689			963	514	449		16 957	
TOTAL-SULLIVAN LAKE	2 368			1 444	909	535		20 137	
SUNCHILD 043-11W5									
ELKTON - SHUNDA A	45	0.75	0.10	31			38		128
ELKTON - SHUNDA A	833	0.85	0.15	602			39		2 157
ELKTON - SHUNDA A	611	0.85	0.15	441			39		1 468
ELKTON-SHUNDA A TOTAL	1 489	0.85	0.15	1 074	287	787	39	30 614	
OTHER	195			132	105	27		1 052	
TOTAL-SUNCHILD	1 684			1 206	392	814		31 666	
SUNDANCE 054-21W5									
VIKING A	2 760	0.90	0.05	2 360	2 304	56	40	2 224	2 554
CADM 22-054-21	405	0.85	0.10	310		310	39	12 034	150
OTHER	1 134			774	225	549		21 592	
TOTAL-SUNDANCE	4 299			3 444	2 529	915		35 850	
SUNNYNOOK 026-11W4									
UPPER MANNVILLE B	566	0.75	0.05	404	69	335	30	10 043	1 271
BASAL MANNVILLE I	558	0.85	0.05	450	122	328	38	12 316	300
BASAL MANNVILLE J	545	0.90	0.05	466	218	248	38	9 337	903
BASAL MANNVILLE V	607	0.85	0.05	490	193	297	37	11 081	988
OTHER	4 277			2 996	1 007	1 989		74 108	
TOTAL-SUNNYNOOK	6 553			4 806	1 609	3 197		116 885	
SUNSET 069-19W5									
TOTAL-SUNSET	225			155	29	126		4 888	
SUPERBA 026-04W4									
GLAUCONITIC B	829	0.90	0.05	709	151	558	37	20 724	1 680
OTHER	778			531	90	441		16 567	
TOTAL-SUPERBA	1 607			1 240	241	999		37 291	
SURRETTE (SA) 097-15W5									
TOTAL-SURRETTE	524			312		312		11 063	
SUTTON 091-03W6									
GETH 092-03	686	0.80	0.05	522		522	37	19 565	2 162
OTHER	329			203	131	72		2 627	
TOTAL-SUTTON	1 015			725	131	594		22 192	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
3.80	0.280	0.80	9 340	35	0.865	0.59 0.59	942.3	1966 1966 1966	1991 1987 1991	GPP ASSIGN WELL 02/08-33-019-08W4M CRESTAR RENENER GPP NONCOMMERCIAL OIL
6.05	0.259	0.75	10 260	35	0.837	0.59	952.3	1977	1990	
1.54	0.241	0.50	3 040	18	0.939	0.57	322.8	1949	1991	VECTOR ULSTER TRITON TCPL PROGAS POCO CENTRA NORCEN AMOCO PANALTA NCMI DIRECT CNWE CWNGNUL SASKEN KANNGAZ PART OF VIK POOL NO.6
3.90	0.292	0.70	2 550	13	0.945	0.57	319.9	1973	1990	PANALTA DIRECT SASKEN PRODUCTION DECLINE
3.98	0.303	0.80	2 420	16	0.953	0.57	374.5	1978	1990	PANALTA
3.65	0.290	0.65	2 590	19	0.948	0.56	336.4	1971	1989	PRODUCTION DECLINE
2.30	0.304	0.60	2 590	19	0.947	0.57	350.1	1971	1989	PRODUCTION DECLINE
2.06	0.316	0.60	2 620	14	0.946	0.56	339.5	1971	1991	TCPL PROGAS PANALTA CENTRA
3.96	0.300	0.85	2 590	18	0.948	0.56	320.5	1977	1991	
2.09	0.301	0.75	3 340	23	0.938	0.56	450.1	1974	1986	TCPL PROGAS PANALTA KANNGAZ SASKEN PANALTA KANNGAZ SASKEN PRODUCTION DECLINE
4.96	0.339	0.55	3 100	16	0.938	0.56	437.6	1967	1987	
2.49	0.270	0.50	3 050	16	0.939	0.56	420.9	1976 1967	1987 1987	CNWE TCPL
2.44	0.080	0.85	26 100	104	0.926	0.73	2 899.0	1969	1987	
2.92	0.086	0.80	24 210	108	0.940	0.65	2 931.1	1969	1987	
1.95	0.125	0.85	26 100	113	0.958	0.65	2 922.4	1969 1969	1977 1987	ESSO TCPL
4.52	0.145	0.80	30 430	96	0.961	0.66	2 727.3	1971	1986	HOME PANALTA ESSO UNOCAL UNIGAS MATERIAL BALANCE
12.50	0.140	0.75	26 400	110	0.954	0.65	3 055.5	1988	1990	
4.02	0.219	0.55	8 700	32	0.882	0.68	1 015.5	1985	1990	KANNGAZ EMI OPINAC
8.40	0.283	0.80	9 650	48	0.874	0.58	1 040.6	1985	1987	PROGAS UNIGAS NONCOMMERCIAL OIL
3.29	0.262	0.65	9 960	35	0.853	0.57	1 040.2	1985	1990	KANNGAZ OPINAC
3.35	0.249	0.65	10 100	29	0.840	0.58	996.1	1980	1988	PROGAS HUSKY CANOXY
2.65	0.296	0.65	9 060	35	0.864	0.58	924.9	1951	1992	
5.73	0.215	0.45	5 640	35	0.910	0.56	771.8	1972	1982	POCO NORCEN PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SWALWELL 029-24W4									
VIKING A	1 081	0.80	0.10	779	701	78	39	3 055	4 644
PEKISKO A SOLN	120	0.60	0.10	65b			40		
PEKISKO A ASSOC	457	0.70	0.10	288b	309b	44	40	1 760	1 680
OTHER	2 226			1 231	428	803		29 903	
TOTAL-SWALWELL	3 884			2 363	1 438	925		34 718	
SWAN HILLS 068-10W5									
BEAVERHILL LAKE C SOLN	7 601	0.36	0.60	1 094	482	612	41	25 031	
BEAVERHILL LAKE A ASSOC		0.70	0.35				42		
BEAVERHILL LAKE A SOLN	29 000	0.42	0.35	7 917b			42		
BEAVERHILL LAKE A&B TOTAL	29 000	0.40	0.35	7 917b	6 180b	1 737	42	73 475	
OTHER	210			125		125		4 805	
TOTAL-SWAN HILLS	36 811			9 136	6 662	2 474		103 311	
SWAN HILLS SOUTH 065-10W5									
BEAVERHILL LAKE A ASSOC		0.65	0.25				44		
BEAVERHILL LAKE A SOLN	15 232	0.64	0.35	6 336b			44		
BEAVERHILL LAKE A&B TOTAL	15 232	0.65	0.35	6 336b	6 030b	306	44	13 357	
OTHER	323			216		216		8 186	
TOTAL-SWAN HILLS SOUTH	15 555			6 552	6 030	522		21 543	
SWEETGRASS 001-15W4									
TOTAL-SWEETGRASS	81			57	16	41		1 522	
SWIMMING 052-06W4									
TOTAL-SWIMMING	743			510	95	415		15 143	
SYLVAN LAKE 037-03W5									
GLAUCONITIC A		0.85	0.10				40		4 877
LOWER MANNVILLE D		0.85	0.10				40		200
SHUNDA A		0.85	0.10				40		242
GLAUC A, SHUN A&L MN D TOTAL	8 000	0.85	0.10	6 120	5 717	403	40	16 007	
GLAUCONITIC I	8	0.75	0.10	5			41		150
LOWER MANNVILLE X	67	0.75	0.10	45			39		300
LOWER MANNVILLE DD	2 386	0.80	0.12	1 680			40		3 519
BASAL QUARTZ A SOLN	577	0.75	0.40	260			40		
GLAUC & LMANN MU#1 TOTAL	3 038	0.80	0.15	1 990	547	1 443	40	57 301	
LOWER MANNVILLE A	1 474	0.85	0.09	1 140	928	212	39	8 336	950
LOWER MANNVILLE D	367	0.90	0.06	310	171	139	40	5 527	354
LOWER MANNVILLE H	828	0.85	0.10	634	296	338	39	13 337	581
LOWER MANNVILLE M	462	0.75	0.10	312	113	199	39	7 849	393
OSTRACOD J	47	0.75	0.10	32			40		602
OSTRACOD K	1 120	0.80	0.10	806			40		4 359
OSTRACOD N	380	0.85	0.10	291			40		400
OSTRACOD O	15	0.75	0.10	10			40		128
LOWER MANNVILLE BB	317	0.85	0.10	242			40		612
OST JKNO & LMANN BB TOTAL	1 879	0.80	0.10	1 381	364	1 017	40	40 588	
JURASSIC A ASSOC	379	0.90	0.10	307b			39		440
JURASSIC A SOLN	432	0.65	0.15	239b			39		
JURASSIC A ASSOC	2	0.90	0.10	2b			39		12
JURASSIC A ASSOC	82	0.90	0.10	67b			39		152
JURASSIC A ASSOC	10	0.90	0.10	8b			39		42
JURASSIC A ASSOC	21	0.90	0.10	17b			39		40
JURASSIC A ASSOC	43	0.90	0.10	35b			39		51
JURASSIC A ASSOC	34	0.90	0.10	28b			39		64
JURASSIC A TOTAL	1 003	0.80	0.10	703b	302b	401	39	15 611	
JURASSIC O	539	0.75	0.10	364	221	143	39	5 526	387
JURASSIC HH	1 178	0.90	0.15	901	844	57	40	2 258	342
ELKTON - SHUNDA A	1 615	0.86	0.10	1 250	1 215	35	40	1 403	1 416
ELKTON - SHUNDA B	1 379	0.87	0.10	1 080	941	139	40	5 541	983
ELKTON - SHUNDA D ASSOC	37	0.70	0.20	21b			44		25
ELKTON - SHUNDA D SOLN	1 248	0.60	0.20	599b			44		
ELKTON - SHUNDA D ASSOC	38	0.75	0.20	23b			44		50
ELKTON - SHUNDA D ASSOC	35	0.75	0.20	21b			44		25
ELKTON - SHUNDA D TOTAL	1 358	0.60	0.20	664b	383b	281	44	12 229	
SHUNDA B	662	0.90	0.10	536		536	39	21 113	851
PEKISKO B SOLN	932	0.60	0.20	447b			38		
PEKISKO B ASSOC	482	0.90	0.10	391b	444b	394	38	15 145	730

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.94	0.146	0.55	8 070	52	0.868	0.65 0.66	1 398.8	1963 1963	1992 1989	NORCEN CONTIN TCPL A&S PRODUCTION DECLINE POCO NORCEN TCPL A&S PRODUCTION DECLINE CONCURRENT PRODUCTION
6.02	0.068	0.70	10 940	59	0.836	0.66	1 636.7	1963	1989	POCO NORCEN TCPL A&S PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.83 0.94 0.94		1958 1957 1957	1988 1988 1988	NORCEN HOME PANALTA CWNGNUL DEEP CUT SL MU - BVHL LAKE A&B, GPP, DEEP CUT SL MU - BVHL LAKE A&B, GPP, DEEP CUT SL GARDNER ALT/ROA AMERADA PANALTA NORCEN HOME CWNGNUL GPP
						0.88 0.88		1959 1959 1959	1988 1988 1988	MU-BVHL LK A&B, DRY GAS BKTHROU, GPP MU-BVHL LK A&B, DRY GAS BKTHROU, GPP AMEAGLE CWNGNUL DRY GAS BREAKTHROUGH, GPP
7.92	0.125	0.75	16 780	70	0.818	0.72	2 113.6	1953	1985	MATERIAL BALANCE
3.66	0.120	0.75	8 550	64	0.858	0.71	2 119.3	1976	1985	MATERIAL BALANCE
3.19	0.090	0.75	16 780	70	0.818	0.71	2 092.4	1953	1985	MATERIAL BALANCE
0.50	0.095	0.65	17 130	75	0.828	0.68	2 369.8	1953	1985	AMEAGLE PROGAS TCPL A&S DIRECT
1.65	0.105	0.75	17 150	73	0.826	0.72	2 419.4	1988	1988	
3.28	0.130	0.80	20 340	71	0.846	0.68	2 406.9	1987	1988	
						0.73		1963	1992	
5.20	0.123	0.75	16 900	66	0.818	0.70	2 173.6	1964	1986	TCPL PROGAS PANCDN PANALTA DEKALB
4.24	0.130	0.70	16 620	63	0.791	0.74	2 119.2	1963	1992	INVRNS TCPL A&S PRODUCTION DECLINE
7.08	0.129	0.90	16 830	64	0.819	0.69	2 113.0	1962	1989	TCPL A&S MATERIAL BALANCE
5.86	0.152	0.75	16 690	63	0.803	0.72	2 130.8	1973	1979	KANNGAZ TCPL
0.53	0.107	0.65	21 980	74	0.846	0.71	2 346.5	1970	1989	DIRECT TCPL
1.63	0.118	0.70	18 600	70	0.808	0.74	2 355.0	1969	1989	NONCOMMERCIAL OIL
4.40	0.143	0.80	18 680	65	0.832	0.67	2 386.4	1969	1990	
0.60	0.150	0.70	19 040	72	0.827	0.71	2 332.3	1980	1988	
3.53	0.104	0.70	19 420	66	0.809	0.73	2 420.6	1972	1988	
								1980	1988	
4.53	0.149	0.75	17 230	71	0.838	0.69	2 263.7	1969	1990	CRESTAR HOME PROGAS PANALTA A&S DEKALB
						0.69		1962	1992	NORCEN TCPL ESSO UNIGAS
1.42	0.120	0.70	17 230	71	0.838	0.69	2 275.2	1962	1992	CONCURRENT PRODUCTION
3.32	0.120	0.80	17 230	71	0.838	0.69	2 226.2	1962	1992	CONCURRENT PRODUCTION
1.71	0.130	0.65	17 230	71	0.838	0.69	2 298.0	1962	1992	
3.48	0.110	0.80	17 230	71	0.838	0.69	2 267.6	1962	1992	
4.39	0.160	0.70	17 230	71	0.838	0.69	2 266.5	1962	1992	
3.44	0.130	0.70	17 230	71	0.838	0.69	2 214.7	1962	1992	
2.04	0.125	0.65	16 650	70	0.824	0.72	2 115.1	1962	1992	TCPL INVRNS GULF A&S CONCURRENT PRODUCTION
5.18	0.108	0.75	16 920	66	0.801	0.73	2 170.3	1979	1991	INVRNS CNWE PRODUCTION DECLINE
5.97	0.086	0.75	16 910	69	0.809	0.73	2 168.9	1953	1992	TCPL A&S PRODUCTION DECLINE
12.59	0.135	0.75	17 030	71	0.817	0.72	2 146.4	1955	1992	CNWE TCPL A&S PRODUCTION DECLINE
3.90	0.220	0.90	17 440	70	0.764	0.81	2 268.6	1973	1990	A&S MATERIAL BALANCE
						0.81		1962	1992	CON G CAP, ASSIGNED WELL 16-24-37-4W5M
3.85	0.131	0.80	17 440	70	0.766	0.81	2 280.4	1962	1992	CON G CAP, ASSIGNED WELL 16-24-37-4W5M
8.80	0.100	0.85	17 440	70	0.766	0.81	2 283.1	1962	1992	
								1962	1992	ASSIGNED WELL 16-24-037-04W5M
6.53	0.091	0.75	16 890	66	0.812	0.72	2 188.1	1953	1991	INVRNS TCPL A&S CONING GAS CAP
						0.72		1953	1992	TCPL A&S
5.58	0.114	0.60	16 960	66	0.823	0.72	2 162.7	1953	1992	GULF TCPL A&S CONCURRENT PRODUCTION
								1953	1992	GULF TCPL A&S CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
SYLVAN LAKE 037-03W5 (CONTINUED)									
PEKISKO I	461	0.80	0.15	314	69	245	39	9 597	416
PEKISKO N	1 349	0.85	0.05	1 090	1 013	77	40	3 082	934
D-3 A SOLN	215	0.20	0.35	28 ^b			39		
D-3 A ASSOC	1 134	0.90	0.11	909 ^b	291 ^b	646	39	25 220	765
OTHER	12 400			7 767	1 959	5 808		231 243	
TOTAL-SYLVAN LAKE	40 755			28 331	15 818	12 513		496 913	
TABER 009-17W4 TOTAL-TABER	694			473	69	404		14 697	
TABER NORTH 011-16W4 TOTAL-TABER NORTH	332			96	39	57		2 085	
TABER SOUTH 007-16W4									
BOW ISLAND A	564	0.90	0.05	483	231	252	35	8 823	7 631
OTHER	238			180	98	82		2 802	
TOTAL-TABER SOUTH	802			663	329	334		11 625	
TANGENT 080-24W5 TOTAL-TANGENT	3 529			2 325	641	1 684		63 442	
TANGHE 102-10W6 TOTAL-TANGHE	111			74		74		2 693	
TAR (SA) 099-13W4 TOTAL-TAR	52			32		32		1 206	
TATE (SA) 120-03W6 TOTAL-TATE	76			49		49		1 865	
TAWATINAW 062-22W4 TOTAL-TAWATINAW	107			44	26	18		675	
TEEPEE 073-03W6									
DOIG A	891	0.70	0.10	562	81	481	39	18 923	1 568
KISK 02-074-04	415	0.85	0.10	318		318	38	12 141	440
WABAMUN C	2 465	0.17	0.15	356	341	15	37	552	1 276
OTHER	520			370	136	234		9 083	
TOTAL-TEEPEE	4 291			1 606	558	1 048		40 699	
TELFORDVILLE (SA) 050-02W5 TOTAL-TELFORDVILLE	407			281		281		11 018	
TEMPLETON 001-12W4 TOTAL-TEMPLETON	275			191		191		7 013	
THERIEN 060-09W4									
UPPER MANNVILLE F	656	0.75	0.05	468	181	287	37	10 642	2 101
OTHER	2 030			1 131	325	806		29 758	
TOTAL-THERIEN	2 686			1 599	506	1 093		40 400	
THORHILD 059-21W4									
SECOND WHITE SPECKS A	481	0.85	0.05	389	293	96	36	3 473	10 833
OTHER	2 578			1 675	461	1 214		45 142	
TOTAL-THORHILD	3 059			2 064	754	1 310		48 615	
THORNBURY 078-13W4									
MCMURRAY G	646	0.70	0.05	429	398	31	37	1 156	1 104
MCMURRAY I	1 053	0.80	0.05	800	509	291	37	10 709	1 485
MCMURRAY M	468	0.75	0.05	333	326	7	37	260	613
OTHER	5 200			2 952	1 300	1 652		61 356	
TOTAL-THORNBURY	7 367			4 514	2 533	1 981		73 481	
THORSBY 049-01W5									
GLAUCONITIC A SOLN	464	0.65	0.15	257 ^b			41		
GLAUCONITIC A ASSOC	487	0.85	0.10	373 ^b	222 ^b	408	41	16 614	815
GLAUCONITIC I	540	0.85	0.10	413	185	228	41	9 273	409
OTHER	2 474			1 563	334	1 229		48 582	
TOTAL-THORSBY	3 965			2 606	741	1 865		74 469	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
8.73 11.42	0.104 0.073	0.70 0.70	17 790 17 070	69 71	0.849 0.807	0.69 0.74	2 290.0 2 189.9	1963 1972	1986 1989	TCPL A&S A&S MATERIAL BALANCE
11.54	0.073	0.85	23 920	99	0.883	0.80 0.80	2 863.3	1961 1992	1992	TCPL CONCURRENT PRODUCTION TCPL CONCURRENT PRODUCTION
1.93	0.189	0.55	3 610	24	0.938	0.58	697.3	1958	1991	CRESTAR NORCEN ALT/ROA OPINAC CWNGNUL
3.23 2.78 16.50	0.129 0.250 0.058	0.80 0.70 0.80	14 920 18 320 29 300	44 50 85	0.785 0.832 0.953	0.66 0.63 0.66	1 564.7 1 926.1 2 765.0	1972 1973 1972	1982 1973 1988	TCPL TCPL PRODUCTION DECLINE
5.23	0.306	0.65	2 690	21	0.949	0.56	363.3	1976	1983	WAINOCO POCO PROGAS PANALTA CWNGNUL
1.08	0.205	0.50	3 820	19	0.928	0.57	480.5	1963	1992	OPINAC CANOR POCO PANALTA TCPL ESSO
8.08 9.20 6.17	0.327 0.334 0.321	0.70 0.70 0.70	1 910 1 800 1 750	25 20 25	0.965 0.965 0.968	0.55 0.56 0.56	469.6 475.1 461.0	1983 1984 1985	1988 1989 1988	TRITON PRODUCTION DECLINE SHELL POCO TRITON MATERIAL BALANCE ATCOR TRITON PRODUCTION DECLINE
6.32 10.43	0.124 0.136	0.60 0.75	12 810 12 490	72 72	0.831 0.829	0.69 0.70	1 476.8 1 462.2	1979 1979 1985	1992 1992 1991	RIFE SCEPTRE POCO TCPL CONCURRENT PRODUCTION RIFE SCEPTRE POCO TCPL CONCURRENT PRODUCTION SUNCOR TCPL PANCDN

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	
THREE HILLS CREEK 035-25W4 ELLERSLIE D PEKISKD ASSOC	798 5 434	0.50 0.70	0.10 0.08	359 3 500	2 377	359 1 123	40 40	14 292 44 673	2 679 10 814
OTHER TOTAL-THREE HILLS CREEK	2 069 8 301			1 204 5 063	303 2 680	901 2 383		32 839 91 804	
THUNDER 060-06W5 TOTAL-THUNDER	301			198		198		7 625	
TIELAND 067-04W5 TOTAL-TIELAND	47			30		30		1 160	
TIMEU 069-03W5 TOTAL-TIMEU	174			119		119		4 523	
TINDASTOLL 036-01W5 PEK 22-036-01 OTHER TOTAL-TINDASTOLL	448 343 791	0.75	0.10	302 186 488	22 22	302 164 466	39	11 823 6 502 18 325	440
TODD (SA) 009-02W5 TOTAL-TODD	79			49		49		1 878	
TOFIELD 050-19W4 TOTAL-TOFIELD	349			226	33	193		7 115	
TOLSTAD (SA) 069-04W6 TOTAL-TOLSTAD	318			227		227		8 992	
TOMAHAWK 052-05W5 TOTAL-TOMAHAWK	998			650	216	434		16 991	
TOMATO 072-23W4 WABAMUN A OTHER TOTAL-TOMATO	533 461 994	0.80	0.05	405 289 694	163 124 287	242 165 407	38	9 167 6 200 15 367	1 562
TONY CREEK NORTH 064-21W5 TOTAL-TONY CREEK NORTH	1 031			697	75	622		24 472	
TOOGA (SA) 116-10W6 TOTAL-TOOGA	18			8		8		301	
TORRINGTON 032-27W4 TOTAL-TORRINGTON	18			10		10		373	
TOUCHWOOD (SA) 068-09W4 TOTAL-TOUCHWOOD	12			8		8		297	
TOWER CREEK (SA) 055-27W5 GETH 33-055-27 TOTAL-TOWER CREEK	651 651	0.90	0.05	557 557		557 557	37	20 798 20 798	150
TRACY (SA) 095-12W5 TOTAL-TRACY	20			10		10		368	
TROCHU 033-21W4 TOTAL-TROCHU	1 079			654	336	318		11 973	
TUCKER LAKE (SA) 064-05W4 TOTAL-TUCKER LAKE	12			6		6		224	
TURIN 010-18W4 TOTAL-TURIN	4 033			2 431	783	1 648		60 897	
TURNER VALLEY 020-03W5 RUNDLE SOLN	38 429	0.55	0.56	9 300b			40		
RUNDLE ASSOC	42 063	0.90	0.72	10 600b	19 878b	22	40	890	10 463
RUNDLE C RUND 32-021-03	990 438	0.80 0.85	0.20 0.10	634 335	238	396 335	39 40	15 638 13 460	200 400

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.72 9.89	0.176 0.052	0.80 0.60	11 740 11 840	60 70	0.815 0.828	0.71 0.72	1 767.1 1 748.2	1981 1953	1992 1990	PROGAS TCPL MATERIAL BALANCE CONCURRENT PRODUCTION, OIL DEPLETED
8.02	0.097	0.75	16 550	63	0.803	0.72	2 070.8	1970	1983	POCO
6.55	0.220	0.75	3 070	22	0.938	0.58	605.4	1972	1991	CANST RIFE PROGAS CNRL TCPL
15.50	0.120	0.80	48 760	131	1.177	0.57	3 584.8	1985	1990	BER
46.00	0.060	0.75	15 700	45	0.723	0.80	1 478.7	1917	1988	PANCDN NORCEN PANALTA MATERIAL BALANCE DEEP CUT SL. GPP
28.90 9.10	0.080 0.070	0.85 0.75	29 270 26 140	84 84	0.926 0.908	0.70 0.67	3 350.2 2 997.0	1983 1972	1989 1989	PANCDN NORCEN PANALTA MATERIAL BALANCE DEEP CUT SL. GPP A&S TOP/BASE TVD PANCDN TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
TURNER VALLEY 020-03W5 (CONTINUED)									
OTHER	1 439			884	405	479		18 947	
TOTAL-TURNER VALLEY	83 359			21 753	20 521	1 232		48 935	
TWEEDIE 069-13W4									
VIKING B	711	0.65	0.05	439	388	51	37	1 877	7 201
GRAND RAPIDS D	1 447	0.70	0.05	962	841	121	37	4 484	7 054
GRAND RAPIDS H	383	0.70	0.05	255			37		1 008
GRAND RAPIDS I	50	0.75	0.05	36			37		200
GRAND RAPIDS X	42	0.60	0.05	24			37		200
MCMURRAY A		0.80	0.05				36		1 729
MCMURRAY H		0.80	0.05				37		1 611
MCMURRAY L		0.80	0.05				37		26 821
MCMURRAY T	30	0.60	0.05	17			37		200
GR H,I,X & MCM A,H,L&T TOTAL	3 703	0.80	0.05	2 762	2 561	201	37	7 415	
GROSMONT A	1 909	0.50	0.05	907	843	64	37	2 362	10 404
OTHER	2 752			1 656	706	950		35 227	
TOTAL-TWEEDIE	10 522			6 726	5 339	1 387		51 365	
TWINING 031-24W4									
VIKING A	559	0.80	0.10	402	228	174	39	6 816	4 404
VIKING I	653	0.70	0.10	411	138	273	40	10 816	4 051
LOWER MANNVILLE A ASSOC	418	0.75	0.10	283 ^b			40		1 714
RUNDLE A ASSOC	8 000	0.75	0.10	5 400 ^b			40		26 342
RUNDLE A SOLN	7 227	0.70	0.15	4 300 ^b			40		
RUNDLE A ASSOC	1 298	0.75	0.10	877 ^b			40		2 148
L MANN A & RUNDLE A TOTAL	16 943	0.75	0.10	10 860 ^b	4 955 ^b	5 905	40	235 314	
OTHER	6 210			3 549	1 485	2 064		80 063	
TOTAL-TWINING	24 365			15 222	6 806	8 416		333 009	
TWO CREEK (SA) 063-16W5									
TOTAL-TWO CREEK	676			482		482		19 004	
UKALTA 057-17W4									
COLONY F	552	0.80	0.05	420	157	263	38	9 918	2 514
WABAMUN-GRAMINIA A	880	0.75	0.05	627	587	40	37	1 486	2 833
OTHER	3 750			2 335	596	1 739		65 048	
TOTAL-UKALTA	5 182			3 382	1 340	2 042		76 452	
UNWIN 045-02W4									
TOTAL-UNWIN	257			172		172		6 325	
UTIKUMA LAKE 081-09W5									
KEG RIVER SS A SOLN	1 105	0.70	0.55	348	340	8	36	292	
OTHER	1 147			583	152	431		16 000	
TOTAL-UTIKUMA LAKE	2 252			931	492	439		16 292	
VALHALLA 075-10W6									
DOE CREEK I ASSOC	59	0.60	0.10	32			39		578
DOE CREEK I SOLN	853	0.54	0.10	415			39		
DOE CREEK I TOTAL	912	0.55	0.10	447	93	354	39	13 686	
DOE CREEK A	3 948	0.80	0.05	3 000			40		25 292
DOE CREEK P	17	0.65	0.05	10			35		200
DOE CREEK A & P TOTAL	3 965	0.80	0.05	3 010	1 708	1 302	40	51 442	
PADDY C	865	0.70	0.05	576	222	354	37	13 080	1 271
BLUESKY C	1 108	0.85	0.05	895	553	342	39	13 413	1 402
HALFWAY C SOLN	275	0.65	0.45	98 ^b			41		
HALFWAY C ASSOC	406	0.90	0.15	310 ^b	94 ^b	314	41	12 996	487
HALFWAY A	1 028	0.75	0.10	694		694	38	26 670	1 934
HFWY 28-076-10	395	0.85	0.10	302		302	39	11 926	400
HALFWAY B ASSOC	6 331	c	c	4 482	307	4 175	40 ^a	167 000	6 626
OTHER	8 475			5 336	1 096	4 240		166 531	
TOTAL-VALHALLA	23 760			16 150	4 073	12 077		476 744	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.10	0.242	0.60	2 360	18	0.954	0.56	233.3	1949	1985	TCPL MATERIAL BALANCE
2.28	0.318	0.60	2 220	19	0.955	0.57	281.6	1961	1991	TCPL ESSO PRODUCTION DECLINE
1.61	0.305	0.60	2 220	19	0.956	0.56	319.6	1970	1976	MATERIAL BALANCE
2.44	0.300	0.65	2 220	19	0.956	0.56	315.8	1971	1990	MATERIAL BALANCE
2.70	0.300	0.65	2 220	19	0.956	0.56	309.6	1975	1990	PRODUCTION DECLINE
1.92	0.261	0.55	2 380	22	0.956	0.58	464.5	1970	1992	PRODUCTION DECLINE
2.22	0.259	0.45	2 400	24	0.955	0.57	430.4	1961	1992	PRODUCTION DECLINE
2.39	0.249	0.45	2 440	22	0.954	0.56	443.9	1952	1991	PRODUCTION DECLINE
3.70	0.270	0.70	2 120	20	0.959	0.56	477.6	1971	1991	
7.91	0.110	0.40	2 480	19	0.951	0.57	472.2	1961	1991	PANCDN TCPL ESSO MATERIAL BALANCE
1.53	0.160	0.60	8 230	45	0.852	0.65	1 423.5	1965	1990	NORCEN AMERADA TCPL A&S
3.08	0.119	0.50	8 290	47	0.838	0.69	1 532.0	1977	1990	PROGAS TCPL A&S
1.65	0.160	0.80	11 260	60	0.832	0.67	1 625.9	1962	1990	
7.60	0.058	0.60	11 410	63	0.841	0.66	1 626.0	1952	1988	CONCURRENT PRODUCTION
9.78	0.077	0.75	10 320	58	0.829	0.69	1 648.3	1952	1992	CONCURRENT PRODUCTION
								1952	1992	GARDNER TCPL PROGAS PANCDN NORCEN KANNGAZ AMERADA A&S CONCURRENT PRODUCTION
2.91	0.281	0.55	4 530	19	0.903	0.60	560.5	1979	1983	PANCDN NORCEN HOME TCPL
10.00	0.290	0.40	4 140	27	0.926	0.56	656.2	1968	1985	PANCDN TCPL PRODUCTION DECLINE
						0.84		1963	1979	TCPL POCO VECTOR
1.44	0.250	0.65	4 210	28	0.908	0.63 0.63	696.8	1977 1977 1977	1991 1991 1991	CRESTAR CIMRON AEL DPINAC BVI NORCEN HOME KANNGAZ CWNGNUL PROGAS PCI ESSO MATERIAL BALANCE
2.31	0.213	0.65	4 260	27	0.900	0.65	704.6	1956	1989	
1.20	0.220	0.70	4 520	31	0.924	0.61	681.3	1980 1974	1988 1989	CRESTAR PCI INVRNS DEKALB PANCDN HOME TCPL PROGAS PANALTA ESSO AMOCO CWNGNUL CANST A&S
2.29	0.214	0.65	6 100	49	0.913	0.61	1 113.0	1982	1991	BVI KANNGAZ SASKOIL PANALTA ESSO MATERIAL BALANCE
4.16	0.125	0.60	11 640	59	0.851	0.64 0.84	1 624.6	1976 1980	1990 1992	PANALTA ESSO EMI MATERIAL BALANCE TCPL PROGAS PCI ESSO CANST CONCURRENT PRODUCTION
3.22	0.154	0.85	19 210	80	0.783	0.84	1 969.7	1980	1992	TCPL PROGAS PCI ESSO CANST CONCURRENT PRODUCTION
4.50	0.085	0.70	21 710	75	0.894	0.61	2 141.5	1973	1988	CRESTAR PROGAS PANALTA ESSO
6.20	0.115	0.80	17 790	72	0.848	0.65	2 002.3	1990	1991	ESSO
3.77	0.134	0.85	21 360	73	0.789	0.85	2 021.1	1978	1992	CRESTAR NRTHSTR HOME AEC AMOCO PCI ESSO GAS CYCLING

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
VALLEYVIEW 070-21W5 TOTAL-VALLEYVIEW	96			64		64		2 470	
VARDIE (SA) 115-09W6 TOTAL-VARDIE	19			13		13		490	
VAUXHALL 012-17W4 TOTAL-VAUXHALL	683			515	288	227		8 315	
VEGA 061-03W5 TOTAL-VEGA	241			156	6	150		5 764	
VENTRE (SA) 009-04W4 TOTAL-VENTRE	43			29		29		1 034	
VENUS 101-09W6 DEBOLT A TOTAL-VENUS	531 531	0.70	0.05	353 353	307 307	46 46	37	1 680 1 680	5 060
VERGER 022-15W4 MILK RIVER A	7 864	0.70	0.05	5 230			36		82 665
MEDICINE HAT A	8 837	0.70	0.03	6 000			36		73 685
MEDICINE HAT C	276	0.50	0.03	134			36		9 851
MEDICINE HAT D	494	0.50	0.03	240			36		15 083
SECOND WHITE SPECKS A	4 763	0.75	0.05	3 393			36		39 483
SE ALTA GAS SYS(MU) TOTAL	22 234	0.70	0.05	14 997	4 526	10 471	36	381 877	
BASAL COLORADO A	576	0.85	0.05	466	423	43	37	1 597	2 866
MANNVILLE D ASSOC	469	0.75	0.05	334	27	307	38	11 589	1 523
OTHER	2 340			1 613	691	922		34 423	
TOTAL-VERGER	25 619			17 410	5 667	11 743		429 486	
VERMILION 050-05W4 TOTAL-VERMILION	464			303	76	227		8 225	
VIKING-KINSELLA 047-10W4 UPPER&MIDDLE VIKING A		0.85	0.03				36		212 613
UPPER MANNVILLE YY		0.85	0.03				37		1 667
U&M VIK A & U MANN YY TOTAL	35 172	0.85	0.05	29 000	19 184	9 816	37	359 953	
UPPER MANNVILLE D	608	0.75	0.05	433	349	84	37	3 067	712
UPPER MANNVILLE EE	1 220	0.80	0.05	927	841	86	36	3 100	587
UPPER MANNVILLE MMM	1 045	0.75	0.05	745	512	233	37	8 609	3 348
COLONY NN	700	0.85	0.05	565	498	67	36	2 421	4 573
COLONY SSS	612	0.70	0.05	407	350	57	36	2 066	150
WAINWRIGHT	683	0.70	0.05	454	433	21	37	772	1 710
WABAMUN C	650	0.80	0.05	494	376	118	37	4 367	1 793
D-2 D	1 354	0.70	0.05	901	720	181	37	6 751	2 993
OTHER	16 834			10 426	5 374	5 052		187 387	
TOTAL-VIKING-KINSELLA	58 878			44 352	28 637	15 715		578 493	
VIOLET (SA) 079-02W4 TOTAL-VIOLET	3			2		2		72	
VIRGINIA HILLS 064-13W5 BELLOY A SOLN	676	0.45	0.25	228 ^b			39		
BELLOY A ASSOC	1 867	0.92	0.15	1 460 ^b	1 059 ^b	629	39	24 676	2 303
BEAVERHILL LAKE SOLN	6 709	0.40	0.35	1 745	562	1 183	43	51 058	
OTHER	518			351	14	337		13 085	
TOTAL-VIRGINIA HILLS	9 770			3 784	1 635	2 149		88 819	
VIRGO 115-06W6 TOTAL-VIRGO	4 319			2 312	304	2 008		77 228	
VOYAGER 045-17W5 TOTAL-VOYAGER	355			242		242		9 538	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
3.94	0.141	0.35	5 590	47	0.921	0.59	889.7	1981	1989	A&S
5.76	0.154	0.55	3 140	16	0.937	0.56	407.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.78	0.170	0.55	4 310	17	0.916	0.56	498.0	1904	1987	PART OF MED HAT POOL NO.1
0.71	0.139	0.60	4 450	19	0.916	0.56	485.6	1973	1988	PART OF MED HAT POOL NO.3
0.83	0.139	0.60	4 450	19	0.916	0.56	517.4	1973	1988	PART OF MED HAT POOL NO.4
1.56	0.216	0.60	5 690	27	0.904	0.57	683.2	1944	1992	PART OF 2WS POOL NO.1
								1904	1992	CRESTAR POCO NORCEN PANCDN KANNGAZ ESSO A&S PANALTA TCPL CNG
0.85	0.181	0.55	8 450	30	0.856	0.60	946.6	1959	1986	PANCDN PANALTA TCPL PRODUCTION DECLINE
2.73	0.164	0.60	10 410	35	0.839	0.60	1 046.4	1970	1981	PANCDN NORCEN CNG CONCURRENT PRODUCTION, OIL DEPLETED
1.41	0.199	0.50	5 580	24	0.894	0.60	631.0	1917	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE
1.80	0.340	0.55	5 580	26	0.898	0.58	700.0	1965	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1983	POCO NORCEN PANCDN SCEPTRE OPINAC PANALTA NCMI CWNGNUL TCPL ESSO PART OF VIK POOL NO.2
2.78	0.300	0.60	4 920	27	0.912	0.59	739.4	1973	1986	CWNGNUL TCPL MATERIAL BALANCE
2.81	0.233	0.65	4 610	23	0.914	0.59	724.5	1955	1989	CWNGNUL TCPL MATERIAL BALANCE
2.97	0.299	0.60	5 470	23	0.897	0.58	759.7	1949	1992	TCPL
2.19	0.287	0.60	3 980	27	0.930	0.59	592.9	1976	1990	NORCEN PANALTA HUSKY CWNGNUL
11.58	0.280	0.90	4 250	21	0.920	0.58	593.8	1977	1989	NORCEN CWNGNUL MATERIAL BALANCE
4.08	0.267	0.65	5 220	23	0.902	0.58	699.6	1955	1986	CWNGNUL TCPL MATERIAL BALANCE
3.21	0.163	0.70	5 220	32	0.914	0.57	812.9	1974	1992	CWNGNUL TCPL PRODUCTION DECLINE
4.45	0.117	0.70	4 670	34	0.923	0.57	738.0	1960	1990	CWNGNUL TCPL PRODUCTION DECLINE
						0.70		1961	1991	CWNGNUL A&S MATERIAL BALANCE CONCURRENT PRODUCTION
3.27	0.178	0.75	13 440	77	0.859	0.70	1 884.0	1961	1991	CWNGNUL A&S MATERIAL BALANCE CONCURRENT PRODUCTION
						0.88		1957	1991	GARDNER ALT/ROA AMERADA AMEAGLE DIRECT CWNGNUL A&S DEEP CUT SL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
VULCAN 016-24W4 TURNER VALLEY C OTHER TOTAL-VULCAN	1 094 682 1 776	0.60	0.20	526 459 985	182 316 498	344 143 487	38	13 227 5 606 18 833	1 482
WABASCA (SA) 085-24W4 TOTAL-WABASCA	14			7		7		258	
WAINWRIGHT 045-06W4 VIKING COLONY G COLONY R COLONY V ASSOC COLONY W ASSOC VIK & COL G.R.V&EE TOTAL	1 973 58 89 6 1 2 127	0.50 0.75 0.75 0.70 0.75 0.50	0.05 0.05 0.05 0.05 0.05 0.05	938 42 64 4 1 1 049	567	482	37 36 35 36 36 37	17 863	27 052
COLONY SPARKY E OTHER TOTAL-WAINWRIGHT	369 608 6 202 9 306	0.90 0.75	0.05 0.05	315 433 3 285 5 082	141 432 1 241 2 381	174 1 2 044 2 701	35 35	6 163 35 72 541 96 602	1 851 1 730
WANYANDIE 060-01W6 CARD SD 03-060-01 OTHER TOTAL-WANYANDIE	664 912 1 576	0.75	0.10	448 617 1 065		448 617 1 065	39	17 642 24 676 42 318	200
WAPITI 067-10W6 CARDIUM A SOLN CARDIUM A & B TOTAL CADOTTE A	1 338 1 338 871	0.65 0.65 0.85	0.15 0.15 0.10	740 740 666	9	731	39 39 38	28 297 3 012	2 112
FALHER A-1	507	0.70	0.15	302	272	30	40	1 195	250
FALHER C-1	1 556	0.90	0.15	1 190	1 013	177	40	7 036	1 885
FALHER C-2	679	0.90	0.15	519	502	17	38	640	500
FALHER C-3	820	0.80	0.15	558	555	3	39	116	250
FALHER D-1 FALHER E-1	3 442 2 084	0.85 0.90	0.05 0.15	2 780 1 595	2 162 1 287	618 308	38 39	23 323 12 135	9 431 724
FALHER F-1	4 655	0.90	0.10	3 771	3 425	346	39	13 598	3 561
CADOMIN A	6 184	0.70	0.15	3 680	8	3 672	38	139 940	22 758
CADOMIN B CADOMIN C CADOMIN D	600 867 868	0.75 0.70 0.70	0.05 0.15 0.15	428 516 517	345 1 1	83 515 516	36 38 38	3 008 19 627 19 665	150 3 545 5 273
CADM 10-066-07 NIKA 30-066-10 NIKA 29-067-08 PM-PN SYS 26-066-07 BELL 33-067-07 OTHER TOTAL-WAPITI	810 793 445 575 423 13 143 40 660	0.85 0.75 0.85 0.75 0.80	0.20 0.10 0.05 0.20 0.10	551 536 359 345 304 8 370 27 727	1 030 11 197	7 340 16 530	39	284 861 636 552	200
WAPPAU (SA) 074-11W4 TOTAL-WAPPAU	22			15		15		558	
WARRENSVILLE (SA) 084-24W5 TOTAL-WARRENSVILLE	257			176		176		6 702	
WARSPITE 060-18W4 TOTAL-WARSPITE	788			530	300	230		8 580	
WARWICK 052-14W4 UPPER MANNVILLE G UPPER MANNVILLE K UPPER MANNVILLE M UPPER MANNVILLE D UPPER MANNVILLE NNN UPPER MANNVILLE D&NNN TOTAL	747 996 667 399 52 451	0.75 0.75 0.70 0.75 0.65 0.75	0.05 0.05 0.05 0.05 0.05 0.05	532 710 444 284 32 316	474 690 364 272	58 20 80 37 37 44	37 37 37 37 37 37	2 168 741 2 954 1 662 924 1 634	1 655 538 1 782 1 662 924

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
6.37	0.101	0.60	16 820	64	0.830	0.75	1 833.8	1960	1979	TCPL
1.02	0.240	0.55	5 030	21	0.898	0.60	581.0	1942	1989	
1.22	0.289	0.60	4 140	24	0.924	0.59	594.8	1973	1985	
1.52	0.210	0.50	4 140	23	0.926	0.59	590.7	1973	1985	
0.55	0.261	0.60	3 900	22	0.927	0.60	598.8	1967	1979	
0.51	0.200	0.55	4 150	22	0.922	0.60	600.0	1967	1979	
3.35	0.250	0.60	3 870	25	0.931	0.59	624.1	1952	1977	SCEPTRE CNRL ESSO CHEL TCPL PCI PANALTA
2.03	0.308	0.70	4 220	22	0.925	0.59	615.7	1956	1989	HUSKY CWNGNU NCMI HUSKY NONCOMMERCIAL OIL PANALTA HUSKY TCPL PRODUCTION DECLINE
10.70	0.200	0.89	19 610	92	0.877	0.68	2 291.1	1980	1980	PANCDN
						0.66		1987	1992	
5.32	0.057	0.65	19 990	84	0.899	0.61	2 403.3	1980	1992	NORCEN CHEL AMOCO PANALTA TCPL PRODUCTION
4.60	0.067	0.60	13 900	87	0.879	0.64	2 162.1	1980	1992	DECLINE DEEP CUT SL NORCEN PROGAS PANALTA TCPL HOME PRODUCTION
5.21	0.125	0.75	20 700	85	0.874	0.68	2 384.5	1978	1992	DECLINE DEEP CUT SL NORCEN HOME PROGAS PANALTA TCPL PRODUCTION
6.40	0.089	0.65	16 940	78	0.867	0.68	2 250.8	1980	1990	DECLINE DEEP CUT SL NORCEN PROGAS PANALTA TCPL HOME PRODUCTION
16.60	0.060	0.60	22 750	94	0.911	0.64	2 336.2	1979	1991	DECLINE DEEP CUT SL NORCEN PROGAS PANALTA TCPL PRODUCTION
3.53	0.081	0.70	21 040	86	0.914	0.60	2 478.2	1979	1991	DECLINE DEEP CUT SL CHEL PANALTA TCPL DEEP CUT SL
1.76	0.095	0.80	28 400	98	0.956	0.63	2 360.9	1981	1992	NORCEN PROGAS PANALTA MATERIAL BALANCE
4.87	0.104	0.75	31 400	87	0.971	0.63	2 516.1	1978	1992	DEEP CUT SL SCEPTRE NORCEN PROGAS PANALTA TCPL
4.08	0.052	0.70	21 170	93	0.899	0.67	2 796.9	1979	1991	MATERIAL BALANCE DEEP CUT SL NORCEN CHEL TCPL PROGAS PANALTA HOME DEEP
4.60	0.130	0.75	21 770	65	0.901	0.59	2 389.3	1980	1989	CUT SL TCPL PRODUCTION DECLINE DEEP CUT SL
3.85	0.057	0.65	20 090	97	0.901	0.67	2 897.6	1980	1990	NORCEN CHEL TCPL PANALTA ESSO DEEP CUT SL
4.10	0.036	0.65	19 920	95	0.897	0.67	2 809.2	1979	1990	CHEL TCPL PANALTA DEEP CUT SL
15.85	0.230	0.80	22 400	111	0.896	0.73	2 822.5	1978	1989	TCPL DEEP CUT SL
19.30	0.110	0.85	25 000	77	0.924	0.60	2 914.0	1980	1984	DEEP CUT SL
11.40	0.110	0.80	24 700	69	0.927	0.58	2 606.1	1981	1984	NORCEN PROGAS PANALTA TCPL DEEP CUT SL
6.70	0.120	0.75	29 800	125	0.982	0.65	3 191.3	1956	1982	NORCEN HOME PROGAS
16.00	0.135	0.55	22 930	117	0.939	0.68	2 956.3	1980	1981	TCPL
1.70	0.271	0.80	4 930	27	0.907	0.58	760.5	1970	1988	TCPL PRODUCTION DECLINE
6.85	0.301	0.75	4 760	30	0.917	0.57	701.6	1970	1985	TCPL MATERIAL BALANCE
2.85	0.238	0.65	4 700	34	0.923	0.58	749.7	1970	1989	TCPL PRODUCTION DECLINE
1.39	0.236	0.50	4 740	30	0.919	0.56	731.1	1970	1986	MATERIAL BALANCE
0.89	0.232	0.55	4 690	24	0.913	0.56	717.2	1980	1984	
								1970	1986	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WARWICK 052-14W4 (CONTINUED)									
UPPER MANNVILLE MMM	535	0.70	0.05	356	206	150	37	5 571	365
OTHER	9 912			6 574	3 518	3 056		113 575	
TOTAL-WARWICK	13 308			8 932	5 524	3 408		126 643	
WASKAHIGAN 064-23W5									
DUNVEGAN A SOLN	228	0.60	0.10	123b			40		
DUNVEGAN A ASSOC	403	0.90	0.10	327b	124b	326	40	13 144	744
DUNVEGAN C SOLN	46	0.65	0.10	27b			40		
DUNVEGAN C ASSOC	1 263	0.80	0.10	909b	800b	136	40	5 440	2 341
DUNVEGAN B	1 621	0.85	0.10	1 240	866	374	40	15 098	2 140
PEACE RIVER B	616	0.80	0.10	444	153	291	40	11 716	400
OTHER	1 595			1 087	35	1 052		41 518	
TOTAL-WASKAHIGAN	5 772			4 157	1 978	2 179		86 916	
WATCH 054-22W5									
TOTAL-WATCH	181			131		131		5 109	
WATELET 047-26W4									
TOTAL-WATELET	579			364	107	257		9 975	
WATERTON 004-01W5									
RUNDLE C	8 726	0.50	0.45	2 400	583	1 817	38	68 283	1 665
RUNDLE K	670	0.80	0.40	322	39	283	39	10 961	200
RUNDLE M	5 630	0.70	0.15	3 350	975	2 375	38	90 606	1 317
RUNDLE D		0.75	0.52				39		2 869
RUNDLE E		0.75	0.52				39		100
RUNDLE D & E TOTAL	18 056	0.75	0.50	6 500	5 226	1 274	39	49 559	
RUNDLE A	1 400	0.60	0.35	546			39		200
RUNDLE L	112	0.60	0.35	44			39		128
RUNDLE J	13 529	0.85	0.40	6 900			39		2 178
RUNDLE A, L & J TOTAL	15 041	0.80	0.40	7 490	1 845	5 645	39	219 591	
RUND 15-003-30	1 351	0.90	0.30	851		851	39	33 266	200
RUND * 30-004-01	988	0.80	0.30	553		553	39	21 429	200
RUNDLE-WABAMUN A	79 529	c	c	49 300	44 466	4 834	39a	189 735	5 157
WABAMUN B	924	0.85	0.28	565	304	261	37	9 592	386
WAB 31-006-03	896	0.85	0.20	610		610	37	22 698	512
PALL 03-006-03	868	0.65	0.20	451		451	37	16 601	200
WAB 09-006-03	647	0.90	0.25	437		437	37	16 068	200
WAB 20-006-03	585	0.80	0.20	374		374	37	13 909	200
OTHER	778			547	10	537		21 294	
TOTAL-WATERTON	134 689			73 750	53 448	20 302		783 592	
WATTS 031-16W4									
BANFF D SOLN	50	0.65	0.15	28b			42		
BANFF D ASSOC	423	0.85	0.15	306b	236b	98	42	4 124	949
OTHER	2 251			1 394	588	806		31 277	
TOTAL-WATTS	2 724			1 728	824	904		35 401	
WAVY LAKE 043-14W4									
TOTAL-WAVY LAKE	709			470	130	340		12 706	
WAYNE-ROSEDALE 027-19W4									
BELLY RIVER A	554	0.90	0.05	474	442	32	37	1 176	1 785
BELLY RIVER J	35	0.65	0.05	22			37		250
BELLY RIVER K	534	0.60	0.05	304			37		3 512
BELLY RIVER X	7	0.50	0.05	4			37		128
BELLY RIVER J, K & X TOTAL	576	0.60	0.05	330	53	277	37	10 249	
BELLY RIVER S	444	0.80	0.05	337			37		2 886
BELLY RIVER EE	32	0.65	0.05	20			37		250
BELLY RIVER S & EE TOTAL	476	0.80	0.05	357	178	179	37	6 591	
MEDICINE HAT A	1 664	0.70	0.03	1 130			36		25 907
SE ALTA GAS SYS (MU) TOTAL	1 664	0.70	0.05	1 130		1 130	36	41 211	
VIKING A	3 878	0.95	0.05	3 500	3 353	147	39	5 761	28 662
VIKING B	676	0.90	0.05	578	452	126	39	4 880	3 280
BASAL COLORADO A	386	0.85	0.05	312	38	274	38	10 401	512
GLAUCONITIC A	1 155	0.90	0.10	936	889	47	40	1 859	1 625
GLAUCONITIC G	909	0.90	0.10	736	673	63	39	2 482	975
GLAUCONITIC T	397	0.85	0.10	303			39		2 219
GLAUCONITIC T	1 392	0.85	0.10	1 065			39		5 541

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
2.41	0.240	0.70	4 610	27	0.917	0.57	701.2	1971	1987	TCPL MATERIAL BALANCE
4.97	0.165	0.65	10 240	63	0.852	0.65 0.65 0.65	1 544.1	1967 1967 1959	1988 1988 1991	A&S CONCURRENT PRODUCTION A&S CONCURRENT PRODUCTION A&S PRODUCTION DECLINE CONCURRENT PRODUCTION
2.80	0.140	0.55	10 240	63	0.854	0.65	1 501.1	1959	1991	A&S PRODUCTION DECLINE CONCURRENT PRODUCTION
2.51	0.150	0.65	10 360	64	0.846	0.67	1 595.4	1961	1992	A&S MATERIAL BALANCE
2.45	0.150	0.70	12 380	64	0.846	0.64	1 810.6	1981	1989	KANNGAZ NRTHSTR MATERIAL BALANCE
34.85	0.054	0.85	38 590	86	0.933	0.83	3 489.8	1957	1988	A&S DEEP CUT SL
24.40	0.054	0.85	34 270	86	0.908	0.86	3 631.6	1958	1989	A&S
27.85	0.067	0.80	40 410	102	1.070	0.63	4 381.5	1981	1991	PROGAS MOBIL A&S TOP/BASE TVD
28.99	0.043	0.80	34 300	80	0.834	0.95	3 545.5	1957	1988	MATERIAL BALANCE TOP/BASE TVD, DEEP CUT SL
37.50	0.050	0.80	34 300	80	0.834	0.95	3 277.4	1960	1988	MATERIAL BALANCE DEEP CUT SL
21.60	0.052	0.80	29 765	75	0.858	0.85	2 956.6	1957	1988	SHELL A&S DEEP CUT SL
5.40	0.070	0.80	31 890	80	0.889	0.85	3 063.6	1960	1989	MATERIAL BALANCE TOP/BASE TVD, DEEP CUT SL
35.19	0.064	0.90	32 560	80	0.856	0.85	3 230.2	1970	1989	TOP/BASE TVD, DEEP CUT SL
52.70	0.050	0.90	34 200	96	0.925	0.90	3 196.7	1960	1992	TOP/BASE TVD, DEEP CUT SL
42.30	0.050	0.90	30 950	101	0.907	0.82	3 486.3	1960	1991	A&S DEEP CUT SL
43.19	0.050	0.80	32 960	69	0.879	0.97	3 034.9	1987	1990	A&S TOP/BASE TVD
19.30	0.053	0.80	40 800	101	1.058	0.65	4 191.2	1990	1990	A&S TOP/BASE TVD
17.89	0.053	0.80	27 720	96	0.926	0.67	3 710.8	1959	1988	SHELL A&S GAS CYCLING, TOP/BASE TVD
38.30	0.050	0.80	35 210	83	0.993	0.65	3 438.5	1958	1982	A&S MATERIAL BALANCE
24.90	0.050	0.90	36 460	90	0.989	0.68	3 395.4	1964	1987	A&S
27.00	0.050	0.80	36 090	105	1.002	0.67	3 662.5	1981	1983	A&S
3.63	0.126	0.80	9 300	37	0.700	0.81 0.81	1 203.9	1988 1984	1989 1989	ATCOR POCO CONCURRENT PRODUCTION ATCOR POCO CONCURRENT PRODUCTION
2.96	0.192	0.50	6 130	22	0.890	0.56	645.8	1960	1988	PANCDN CWNGNUL MATERIAL BALANCE
4.00	0.260	0.45	2 900	18	0.943	0.56	505.0	1978	1988	
3.42	0.237	0.60	3 080	24	0.944	0.56	701.4	1977	1990	
1.30	0.240	0.60	2 850	23	0.947	0.56	649.7	1981	1984	
3.53	0.256	0.55	3 000	19	0.943	0.57	548.9	1977	1990	TCPL
3.00	0.250	0.60	2 710	15	0.945	0.56	424.5	1966	1991	
1.36	0.170	0.55	4 310	17	0.916	0.56	836.1	1980	1988	PANALTA NORCEN PANCDN NRTHSTR TCPL
2.02	0.164	0.60	8 070	38	0.846	0.64	1 190.7	1966	1991	PART OF MED HAT POOL NO.1
2.87	0.164	0.55	8 070	38	0.849	0.64	1 211.0	1904	1983	NOVER PANALTA NORCEN PANCDN TCPL
7.15	0.185	0.60	8 730	35	0.849	0.61	1 154.3	1904	1983	NOVER NORCEN PANCDN PANALTA CWNGNUL TCPL
4.75	0.200	0.70	10 070	42	0.797	0.69	1 330.1	1953	1991	DIRECT MATERIAL BALANCE
4.42	0.180	0.75	11 110	41	0.794	0.68	1 332.4	1954	1982	TCPL MATERIAL BALANCE
1.79	0.171	0.55	9 670	40	0.827	0.65	1 314.7	1974	1978	TCPL
2.16	0.180	0.60	9 790	40	0.826	0.65	1 317.8	1953	1990	TCPL MATERIAL BALANCE
								1966	1992	TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WAYNE-ROSEDALE 027-19W4 (CONTINUED)									
GLAUCONITIC T	31	0.75	0.10	21			39		300
GLAUCONITIC T	106	0.75	0.10	72			39		294
GLAUCONITIC T	173	0.75	0.10	117			39		251
GLAUCONITIC T	6	0.75	0.10	5			39		150
GLAUCONITIC T	10	0.75	0.10	7			39		150
GLAUCONITIC T	11	0.75	0.10	7			39		150
GLAUCONITIC T TOTAL	2 126	0.85	0.10	1 597	647	950	39	37 031	
GLAUCONITIC PP	430	0.80	0.10	310	129	181	39	7 072	150
OSTRACOD A	639	0.85	0.05	516	387	129	39	5 059	150
BASAL QUARTZ E SOLN	216	0.60	0.10	117 ^b			38		
BASAL QUARTZ E ASSOC	404	0.80	0.10	291 ^b	76 ^b	332	38	12 493	614
BASAL QUARTZ T	790	0.70	0.10	498		498	40	19 810	1 012
OTHER	11 805			5 872	2 949	2 923		113 199	
TOTAL-WAYNE-ROSEDALE	26 684			17 554	10 266	7 288		279 274	
WEALD 050-19W5									
CARD SD 23-050-19	586	0.85	0.10	448		448	40	18 023	400
OTHER	267			182		182		7 087	
TOTAL-WEALD	853			630		630		25 110	
WEASEL 058-19W4									
TOTAL-WEASEL	188			126		126		4 682	
WEASONE (SA) 062-09W5									
TOTAL-WEASONE	100			67		67		2 655	
WEBSTER 074-05W6									
LOWER MANNVILLE A	588	0.80	0.10	423	77	346	40	13 764	1 237
OTHER	844			617	295	322		12 447	
TOTAL-WEBSTER	1 432			1 040	372	668		26 211	
WELLBURN 009-18W4									
TOTAL-WELLBURN	49			27	27				
WEMBLEY 073-08W6									
HALFWAY B SOLN	4 209	0.65	0.30	1 915 ^b			40 ^a		
HALFWAY B ASSOC	6 093	c	c	4 400 ^b	252 ^b	6 063	40 ^a	242 520	6 508
DOIG E SOLN	456	0.65	0.25	222 ^b			41		
DOIG E ASSOC	1 691	0.80	0.15	1 150 ^b	381 ^b	991	41	41 008	1 558
OTHER	1 909			1 256	94	1 162		43 342	
TOTAL-WEMBLEY	14 358			8 943	727	8 216		326 870	
WEST COVE 055-06W5									
NORD-BNFF 20-055 ASSOC	441	0.85	0.10	338		338	40	13 557	200
OTHER	471			312	2	310		12 257	
TOTAL-WEST COVE	912			650	2	648		25 814	
WEST DRUMHELLER 029-21W4									
D-2 A SOLN	1 205	0.65	0.65	274 ^b			39		
D-2 A ASSOC	173	0.75	0.25	98 ^b	160 ^b	212	39	8 289	512
OTHER	228			94	5	89		3 478	
TOTAL-WEST DRUMHELLER	1 606			466	165	301		11 767	
WESTEROSE 046-28W4									
UPPER MANNVILLE B	3 584	0.80	0.10	2 580			40		5 253
LOWER MANNVILLE F	126	0.75	0.15	81			40		150
U MANN B & L MANN F TOTAL	3 710	0.80	0.10	2 661	1 531	1 130	40	44 850	
D-3 SOLN	5 146	0.71	0.15	3 106 ^b			42 ^a		
D-3 ASSOC	3 669	c	c	3 060 ^b	3 190 ^b	2 976	42 ^a	124 159	466
OTHER	3 153			2 103	242	1 861		72 845	
TOTAL-WESTEROSE	15 678			10 930	4 963	5 967		241 854	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.10	0.155	0.55	9 700	39	0.814	0.67	1 323.4	1966	1992	
3.85	0.148	0.60	9 750	43	0.829	0.65	1 304.7	1966	1992	
6.93	0.155	0.60	9 750	42	0.824	0.66	1 268.3	1966	1992	
0.50	0.120	0.55	11 350	51	0.816	0.68	1 401.8	1966	1992	ASSIGNED WELL 08-20-026-18W4M
1.00	0.140	0.40	10 760	49	0.817	0.68	1 336.5	1966	1992	ASSIGNED WELL 07-32-026-18W4M
0.90	0.130	0.55	10 460	48	0.819	0.68	1 303.6	1966	1992	ASSIGNED WELL 06-10-027-18W4M
5.50	0.190	0.60	10 500	51	0.825	0.68	1 409.0	1990	1992	OPINAC PRODUCTION DECLINE
2.74	0.200	0.65	10 100	46	0.818	0.67	1 339.8	1962	1989	TCPL PRODUCTION DECLINE
5.64	0.151	0.65	10 340	38	0.796	0.70	1 341.5	1959	1990	CRESTAR TCPL CONCURRENT PRODUCTION
8.18	0.154	0.55	10 490	51	0.817	0.68	1 433.8	1961	1992	CRESTAR TCPL CONCURRENT PRODUCTION
										OPINAC PANCDN
8.00	0.144	0.70	18 860	78	0.841	0.69	2 318.9	1974	1992	CHEL ESSO
4.18	0.144	0.55	14 690	75	0.836	0.70	1 661.4	1973	1992	TCPL
						0.85		1978	1990	CRESTAR PANCDN NRTHSTR HOME PROGAS PANALTA AEC AMOCO PCI ESSO GAS CYCLING SCHEME, DEEP CUT SL
4.48	0.120	0.80	21 360	73	0.784	0.85	2 037.5	1978	1990	CRESTAR PANCDN NRTHSTR HOME PROGAS PANALTA AEC AMOCO PCI ESSO GAS CYCLING SCHEME, DEEP CUT SL
						0.71		1980	1989	CRESTAR ESSO PROGAS PANALTA CONCURRENT PRODUCTION, DEEP CUT SL
8.11	0.080	0.80	21 550	75	0.842	0.71	2 116.4	1980	1989	CRESTAR ESSO PROGAS PANALTA CONCURRENT PRODUCTION, DEEP CUT SL
13.63	0.181	0.65	12 250	47	0.791	0.67	1 499.7	1984	1988	RENENER
7.70	0.037	0.75	13 790	55	0.757	0.87	1 673.2	1952	1986	TCPL GPP
						0.87		1952	1986	TCPL GPP
7.23	0.124	0.60	12 510	67	0.825	0.71	1 688.2	1978	1992	
5.90	0.130	0.75	12 820	48	0.780	0.74	1 750.0	1987	1989	
						0.80		1959	1992	CRESTAR UNIGAS TCPL NOVER PROGAS PANCDN HOME KANNGAZ ATCOR AMOCO NRTHSTR A&S PANCDN NRTHSTR TCPL GAS CYCLING, CONCURRENT PRODUCTION
64.36	0.088	0.90	17 470	81	0.826	0.80	2 129.2	1952	1990	PANCDN NRTHSTR TCPL GAS CYCLING, CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WESTEROSE SOUTH 044-01W5									
GLAUCONITIC A	23 810	0.70	0.10	15 000			40		24 624
BASAL QUARTZ F	55	0.70	0.10	35			39		150
GLAUC A & BSL QTZ F TOTAL	23 865	0.70	0.10	15 035	7 529	7 506	40	296 487	
D-3 A	52 407	0.88	0.15	39 200	38 578	622	41	25 203	4 770
OTHER	3 430			2 293	155	2 138		83 200	
TOTAL-WESTEROSE SOUTH	79 702			56 528	46 262	10 266		404 890	
WESTLOCK 059-26W4									
VIKING U	400	0.85	0.04	326	55	271	38	10 333	5 538
VIKING		0.87	0.04				38		34 319
VIKING B		0.87	0.04				38		10 921
VIKING I		0.87	0.04				38		4 811
VIKING J		0.87	0.04				38		400
VIKING K		0.87	0.04				38		2 485
VIKING L		0.87	0.04				38		1 893
VIKING M		0.87	0.04				38		916
VIKING N		0.87	0.04				38		5 685
VIKING P		0.87	0.04				38		1 461
VIKING O		0.87	0.04				38		200
VIK.VIK BIJKLMNP & O TOTAL	13 170	0.85	0.05	11 000	10 423	577	38	22 013	
MIDDLE VIKING B	373	0.90	0.04	323	292	31	38	1 185	1 233
LOWER MANNVILLE B	1 043	0.75	0.10	704	425	279	39	10 923	2 109
OTHER	3 656			2 483	562	1 921		72 649	
TOTAL-WESTLOCK	18 642			14 836	11 757	3 079		117 103	
WESTPEM 049-13W5									
ELRS 26-049-13	694	0.50	0.10	312		312	39	12 283	128
BLUE 14-049-13	447	0.80	0.15	304		304	42	12 792	200
NISKU E	1 160	c	c	709	151	558	45a	24 976	87
OTHER	2 918			1 453	-933	2 386		97 345	
TOTAL-WESTPEM	5 219			2 778	-782	3 560		147 396	
WETASKIWIN 045-24W4									
TOTAL-WETASKIWIN	633			421	4	417		15 755	
WHISKEY 022-05W5									
RUNDLE A	2 651	0.40	0.15	901	121	780	41	31 824	440
PALL 04-022-05	2 123	0.50	0.65	372		372	38	14 062	200
OTHER	70			42		42		1 693	
TOTAL-WHISKEY	4 844			1 315	121	1 194		47 579	
WHITECOURT 060-11W5									
CADOMIN A		0.80	0.10				40		200
JURASSIC E		0.80	0.10				40		1 847
CADOMIN A&JURASSIC E TOTAL	2 195	0.80	0.10	1 580	1 440	140	40	5 544	
JURASSIC C	4 444	0.75	0.10	3 000	1 715	1 285	39	50 102	1 002
JURASSIC D	3 243	0.50	0.10	1 460	746	714	39	28 053	2 608
PEKISKO E	4 593	0.45	0.10	1 860	1 495	365	39	14 297	6 277
OTHER	1 699			1 158	271	887		34 493	
TOTAL-WHITECOURT	16 174			9 058	5 667	3 391		132 489	
WHITEHORSE 050-15W5									
NISKU B	502	0.80	0.15	342	86	256	37	9 587	128
OTHER	1 596			1 068	80	988		39 258	
TOTAL-WHITEHORSE	2 098			1 410	166	1 244		48 845	
WHITELAW 082-02W6									
SPIRIT RIVER F	256	0.80	0.05	195			38		1 240
SPIRIT RIVER G	127	0.65	0.05	79			37		990
SPIRIT RIVER H	92	0.65	0.10	54			37		926
SPIRIT RIVER FG & H TOTAL	475	0.75	0.05	328	212	116	37	4 349	
BLUESKY A	361	0.75	0.05	257			38		2 025
GETHING A	391	0.85	0.10	299			40		2 167
BLSKY A & GETH A TOTAL	752	0.80	0.10	556	140	416	39	16 120	
GETHING B	553	0.80	0.05	420	315	105	38	3 956	1 747

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
9.02 2.40	0.119 0.130	0.55 0.75	16 600 15 750	73 70	0.833 0.834	0.70 0.68	1 837.3 1 822.9	1977 1987 1977	1990 1987 1990	CRESTAR NOVER WEBEX UNIGAS PANCDN HOME AMOCO PROGAS OPINAC ATCOR KANNGAZ TCPL A&S GULF POCO PANCDN TCPL A&S MATERIAL BALANCE PREVIOUS GAS CYCLING
75.90	0.088	0.90	18 960	83	0.816	0.81	2 315.9	1954	1990	
0.98 2.15 0.85 1.50 1.25 0.95 0.62 0.77 0.79 1.32 1.20	0.206 0.199 0.193 0.203 0.206 0.189 0.130 0.190 0.166 0.190 0.192	0.60 0.55 0.60 0.60 0.60 0.60 0.50 0.60 0.55 0.65 0.65	5 820 5 820 5 820 5 820 5 820 5 820 5 820 5 820 5 820 5 820 5 820	37 37 37 37 37 37 37 37 37 37 37	0.895 0.897 0.897 0.897 0.897 0.897 0.897 0.897 0.897 0.897 0.897	0.62 0.60 0.61 0.60 0.60 0.60 0.60 0.60 0.60 0.61 0.61	793.2 773.0 723.7 758.4 767.2 749.6 783.8 731.8 790.5 734.2 718.7	1959 1949 1972 1953 1955 1949 1954 1961 1953 1959 1961 1949	1991 1990 1990 1990 1990 1990 1990 1990 1990 1990 1990	AMOCO NORCEN ESSO MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE MATERIAL BALANCE GARDNER POCO PARAMNT KANNGAZ PCI PANALTA NORCEN HUSKY CWNGNUL TCPL ESSO ESSO NORCEN CWNGNUL PART OF VIK POOL NO.1 PRODUCTION DECLINE NORCEN PANCDN CONTIN HUSKY CWNGNUL TCPL ESSO
3.09 4.76	0.186 0.199	0.60 0.75	5 820 6 670	37 36	0.897 0.882	0.61 0.61	783.0 949.8	1947 1951	1991 1991	
27.40 10.47 39.30	0.150 0.090 0.106	0.80 0.80 0.90	19 380 39 720 39 720	104 91 106	0.887 1.047 1.083	0.70 0.78 1.10	2 479.7 3 099.6 3 142.4	1986 1980 1978	1987 1989 1982	NOCI NORCEN TOP/BASE TVD PROGAS BLOWDOWN - PREVIOUS GAS CYCLING
41.50 46.25	0.076 0.077	0.75 0.85	26 300 32 090	77 85	0.839 0.727	0.86 0.98	3 522.9 3 803.6	1968 1980	1989 1988	SHELL TCPL TOP/BASE TVD SHELL TCPL
10.67 5.25 3.04 8.67 10.04	0.168 0.165 0.162 0.169 0.123	0.50 0.50 0.65 0.70 0.65	12 830 12 830 12 700 12 170 12 780	66 66 63 64 66	0.855 0.855 0.860 0.847 0.858	0.65 0.65 0.63 0.68 0.65	1 507.9 1 546.3 1 539.5 1 577.7 1 586.7	1963 1963 1962 1968 1965 1963	1987 1987 1987 1985 1991 1992	MATERIAL BALANCE MATERIAL BALANCE TCPL TCPL A&S MATERIAL BALANCE INVRNS PROGAS TCPL CRESTAR POCO PROGAS PANALTA TCPL PRODUCTION DECLINE
21.45	0.089	0.95	29 140	117	0.982	0.63	3 276.5	1981	1987	POCO TCPL
2.50 2.13 1.30	0.249 0.229 0.241	0.50 0.50 0.50	6 410 5 140 6 100	33 30 33	0.897 0.914 0.894	0.56 0.56 0.59	717.9 619.2 685.1	1977 1977 1977 1977	1990 1990 1990 1990	DEEP CUT SL DEEP CUT SL DEEP CUT SL A&S TCPL DEEP CUT SL
1.93 1.83	0.182 0.193	0.60 0.65	7 860 7 440	30 40	0.872 0.861	0.56 0.62	846.1 870.7	1950 1951 1950 1959	1985 1985 1985 1985	CWNGNUL TCPL CWNGNUL TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WHITELAW 082-02W6 (CONTINUED)									
OTHER	1 261			829	108	721		27 228	
TOTAL-WHITELAW	3 041			2 133	775	1 358		51 653	
WHITEMUD 051-25W4									
TOTAL-WHITEMUD	267			174	28	146		5 623	
WHITFORD 058-16W4									
VIKING A	903	0.40	0.05	343	51	292	37	10 792	16 049
OTHER	2 053			1 299	488	811		30 216	
TOTAL-WHITFORD	2 956			1 642	539	1 103		41 008	
WIDewater 073-08W5									
TOTAL-WIDewater	243			170		170		6 250	
WILD HORSE CREEK 031-10W5									
RUNDLE A	2 084	0.50	0.20	834	737	97	38	3 660	668
TOTAL-WILD HORSE CREEK	2 084			834	737	97		3 660	
WILD RIVER 056-24W5									
NISKU A	926	0.90	0.10	750		750	39	29 228	200
LEDUC A	833	0.80	0.05	633		633	37	23 237	200
LEDUC B	687	0.90	0.05	587		587	37	21 866	100
OTHER	1 313			931		931		36 698	
TOTAL-WILD RIVER	3 759			2 901		2 901		111 029	
WILDCAT HILLS 027-06W5									
RUNDLE A	29 411	0.88	0.15	22 000	17 646	4 354	39	167 673	4 062
TOTAL-WILDCAT HILLS	29 411			22 000	17 646	4 354		167 673	
WILDHAY (SA) 055-24W5									
TOTAL-WILDHAY	393			283		283		10 975	
WILDMERE 048-05W4									
TOTAL-WILDMERE	6 579			4 341	1 700	2 641		94 631	
WILDUNN CREEK 029-14W4									
VIKING B	468	0.70	0.05	312	140	172	38	6 589	2 697
OTHER	350			230	132	98		3 646	
TOTAL-WILDUNN CREEK	818			542	272	270		10 235	
WILDWOOD 054-09W5									
TOTAL-WILDWOOD	516			351		351		13 820	
WILKINS 042-08W4									
TOTAL-WILKINS	154			103		103		3 742	
WILLESSEN GREEN 042-07W5									
BELLY RIVER U SOLN	12	0.60	0.40	4 ^b			39		
BELLY RIVER U ASSOC	543	0.65	0.10	318 ^b	166 ^b	156	39	6 159	591
CARDIUM A ASSOC	963	0.90	0.15	737 ^b			41		3 934
CARDIUM A SOLN	24 925	0.34	0.54	3 899 ^b			41		
CARDIUM A ASSOC	998	0.85	0.10	763 ^b			40		4 697
CARDIUM A ASSOC	84	0.80	0.10	60 ^b			40		637
CARDIUM A ASSOC	30	0.80	0.10	22 ^b			40		350
CARDIUM A TOTAL	27 000	0.40	0.45	5 481 ^b	2 687 ^b	2 794	41	113 241	
VIKING A ASSOC	12	0.75	0.15	8 ^b			41		64
VIKING A SOLN	1 537	0.65	0.15	849 ^b			41		
VIKING A ASSOC	256	0.75	0.15	163 ^b			41		469
VIKING A TOTAL	1 805	0.65	0.15	1 020 ^b	850 ^b	170	41	7 018	
GLAUCONITIC C	8 413	0.70	0.10	5 300			40		8 772
ELLERSLIE G	2 033	0.50	0.15	864			41		2 217

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	OC	frac	frac	m			
0.91	0.248	0.55	4 240	18	0.914	0.58	465.3	1949	1991	NORCEN HILL KANNGAZ HOME PANALTA NCMI CWNGNUL TCPL ESSO PART OF VIK POOL NO.6
26.69	0.077	0.85	21 720	62	0.858	0.66	2 164.5	1960	1984	AMERADA TCPL A&S MATERIAL BALANCE TOP/BASE TVD
24.40	0.060	0.85	73 580	110	1.468	0.67	3 972.5	1972	1989	HUSKY
27.00	0.070	0.80	40 600	110	1.094	0.56	4 167.1	1980	1982	
43.04	0.050	0.80	83 540	112	1.546	0.57	4 113.7	1990	1992	
43.30	0.075	0.85	26 960	84	0.921	0.69	2 948.8	1958	1984	CWNGNUL TCPL A&S MATERIAL BALANCE TOP/BASE TVD
1.81	0.208	0.55	7 790	33	0.864	0.59	947.5	1953	1991	KANNGAZ ATCOR A&S TCPL
3.36	0.141	0.75	9 130	41	0.813	0.68	1 543.3	1955	1989	NORCEN ESSO PRODUCTION DECLINE CONCURRENT PRODUCTION
1.88	0.119	0.50	20 170	58	0.792	0.72	1 787.9	1954	1991	NORCEN ESSO PRODUCTION DECLINE CONCURRENT PRODUCTION
2.94	0.095	0.35	19 830	58	0.784	0.74	1 831.8	1954	1987	CONCURRENT PRODUCTION
0.76	0.096	0.85	19 790	56	0.806	0.67	1 793.5	1954	1992	CONCURRENT PRODUCTION
0.68	0.078	0.85	17 220	52	0.787	0.67	1 805.7	1954	1992	CONCURRENT PRODUCTION
1.83	0.080	0.70	17 170	63	0.766	0.77	2 155.2	1956	1992	CRESTAR GARDNER RIFE POCO BVI NORCEN AMERADA HILL HOME PROGAS ATCOR TCPL A&S DEKALB DIRECT ESSO CONCURRENT PRODUCTION
3.17	0.129	0.70	19 220	80	0.812	0.77	2 317.8	1956	1991	CONCURRENT PRODUCTION
5.92	0.110	0.65	25 500	85	0.894	0.70	2 361.1	1978	1989	CRESTAR GARDNER POCO NORCEN AMERADA UNIGAS TCPL DEKALB ATCOR A&S CONCURRENT PRODUCTION
4.58	0.109	0.80	24 610	79	0.866	0.75	2 336.5	1964	1987	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WILLESDEN GREEN 042-07W5 (CONTINUED) GLAUC C & ELRSL G TOTAL	10 446	0.65	0.10	6 164	1 384	4 780	40	193 542	
OTHER	12 086			7 347	1 186	6 161		248 726	
TOTAL-WILLESDEN GREEN	51 892			20 334	6 273	14 061		568 686	
WILLINGDON 055-15W4 TOTAL-WILLINGDON	5 801			3 655	2 228	1 427		53 566	
WILLOW 028-17W4 TOTAL-WILLOW	783			527	142	385		14 531	
WILSON CREEK 043-04W5 BELLY RIVER A ASSOC	203	0.60	0.10	110 ^b			39		1 248
BELLY RIVER A SOLN	897	0.65	0.20	466 ^b			39		
BELLY RIVER A ASSOC	8	0.60	0.10	5 ^b			39		107
BELLY RIVER A TOTAL	1 108	0.65	0.20	581 ^b	150 ^b	431	39	16 809	
GLAUCONITIC B	435	0.80	0.10	313	70	243	40	9 676	723
PEKISKO A	1 619	0.85	0.15	1 170	589	581	40	23 374	2 063
PEKISKO B	3 161	0.80	0.15	2 150	94	2 056	41	84 707	5 193
BANFF C	665	0.85	0.15	480	395	85	41	3 470	1 208
OTHER	4 748			1 999	764	1 235		49 184	
TOTAL-WILSON CREEK	11 736			6 693	2 062	4 631		187 220	
WIMBORNE 034-26W4 BELLY RIVER B	660	0.65	0.05	408	142	266	36	9 579	3 791
D-2 B ASSOC	1 458	0.80	0.40	700			41		1 565
D-2 B SOLN	85	0.60	0.45	28			41		
D-2 B	35	0.75	0.10	23			38		100
D-2 B TOTAL	1 578	0.80	0.40	751	11	740	41	30 022	
D-3 A SOLN	2 678	0.27	0.30	506 ^b			35		
D-3 A ASSOC	12 037	0.85	0.25	7 673 ^b	5 489 ^b	2 690	35	93 343	6 156
OTHER	1 193			719	307	412		16 022	
TOTAL-WIMBORNE	18 146			10 057	5 949	4 108		148 966	
WINAGAMI 077-18W5 TOTAL-WINAGAMI	169			114		114		4 348	
WINCHELL COULEE 029-06W5 TOTAL-WINCHELL COULEE	111			74		74		2 931	
WINDFALL 060-15W5 D-3 A SOLN	4 502	0.22	0.35	644 ^b			42 ^a		
D-3 A ASSOC	21 288			7 560 ^b	7 067 ^b	1 137	42 ^a	48 232	4 738
OTHER	7 373			3 520	1 136	2 384		90 337	
TOTAL-WINDFALL	33 163			11 724	8 203	3 521		138 569	
WINDY 049-04W4 TOTAL-WINDY	456			293	27	266		9 212	
WINTERING HILLS 025-17W4 MILK RIVER A	1 940	0.70	0.05	1 290			36		22 549
MEDICINE HAT A	5 861	0.70	0.03	3 980			36		55 909
SE ALTA GAS SYS(MU) TOTAL	7 801	0.70	0.05	5 270	305	4 965	36	181 074	
UPPER MANNVILLE K	586	0.85	0.10	448	45	403	38	15 314	2 338
LOWER MANNVILLE C	564	0.85	0.10	431	163	268	39	10 398	2 539
ELLERSLIE A ASSOC	2 145	0.80	0.05	1 630	230	1 400	39	54 600	4 227
OTHER	4 611			3 028	1 158	1 870		71 023	
TOTAL-WINTERING HILLS	15 707			10 807	1 901	8 906		332 409	
WIZARD LAKE 048-27W4 D-3 A SOLN	7 303	0.87	0.28	4 575 ^b			47		
D-3 A ASSOC		0.85	0.10		-1 174 ^b	5 749	47	270 260	
OTHER	1 723			1 096	352	744		28 926	
TOTAL-WIZARD LAKE	9 026			5 671	-822	6 493		299 186	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
								1964	1988	UNIGAS NOVER PANCDN BVI PROGAS OPINAC A&S DEKALB SASKOIL NORCEN POCO AMOCO
2.82	0.147	0.55	5 900	40	0.877	0.68	1 273.6	1979	1990	PRODUCTION DECLINE CONCURRENT PRODUCTION
1.65	0.120	0.65	5 900	40	0.886	0.64	1 261.7	1979	1990	PRODUCTION DECLINE CONCURRENT PRODUCTION
								1979	1990	ASSIGNED WELL 16-17-043-04W5M
2.92	0.133	0.80	17 950	57	0.798	0.69	2 085.6	1967	1990	NORCEN DIRECT ALT/ROA AMEAGLE TCPL POCO
8.99	0.065	0.75	19 270	87	0.850	0.76	2 137.0	1960	1989	NCMI KANNGAZ A&S CONCURRENT PRODUCTION
7.30	0.060	0.80	18 600	84	0.853	0.71	2 152.2	1966	1990	ALT/ROA A&S NORCEN
3.96	0.090	0.75	18 890	57	0.791	0.73	2 123.4	1979	1989	AMEAGLE POCO KANNGAZ A&S
										ALT/ROA PROGAS TCPL A&S NORCEN NRTHRGE
										VECTOR
										A&S TCPL
3.88	0.186	0.60	4 040	33	0.934	0.59	1 020.7	1974	1992	NOVER POCO PROGAS
9.03	0.052	0.80	20 370	67	0.687	0.88	2 211.4	1956	1992	
3.00	0.080	0.80	18 620	77	0.841	0.73	2 200.6	1956	1992	TCPL
						0.82		1954	1992	TCPL CONCURRENT PRODUCTION
13.63	0.080	0.90	20 750	80	0.839	0.82	2 279.0	1954	1992	TCPL CONCURRENT PRODUCTION
32.92	0.064	0.85	26 100	104	0.856	0.85	2 581.9	1955	1987	A&S BLOWDOWN - PREVIOUS GAS CYCLING
								1955	1987	A&S BLOWDOWN - PREVIOUS GAS CYCLING
3.34	0.154	0.55	3 140	16	0.937	0.56	481.4	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION
2.43	0.170	0.55	4 310	17	0.916	0.56	610.0	1904	1987	DECLINE
								1904	1983	PART OF MED HAT POOL NO.1
1.52	0.215	0.70	9 810	37	0.821	0.66	1 170.9	1979	1991	CRESTAR POCO OPINAC CANST AMERADA PANCDN
2.31	0.170	0.50	9 930	34	0.813	0.65	1 191.6	1955	1991	ESSO PROGAS PANALTA TCPL
4.85	0.175	0.55	9 690	38	0.815	0.66	1 168.3	1963	1991	PANCDN ESSO TCPL
										PANCDN ESSO TCPL
										CRESTAR ESSO BVI TCPL PART OF ELRSL POOL
										NO.1 CONCURRENT PRODUCTION
						0.92		1951	1989	DRY GAS BREAKTHROUGH
						0.92		1951	1989	DRY GAS BREAKTHROUGH

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10 ⁶ m ³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10 ⁶ m ³	NET CUMULATIVE PRODUCTION 10 ⁶ m ³	REMAINING ESTABLISHED RESERVES 10 ⁶ m ³	GROSS HEAT VALUE MJ/m ³	REMAINING ENERGY CONTENT TJ	
WOKING 075-05W6									
BLUESKY B	435	0.80	0.05	331	226	105	38	4 008	861
OTHER	2 141			1 396	414	982		37 636	
TOTAL-WOKING	2 576			1 727	640	1 087		41 644	
WOLF 054-16W5									
TOTAL-WOLF	666			442		442		17 362	
WOLF SOUTH 051-15W5									
RK CK 11-051-15	596	0.80	0.05	453		453	39	17 549	200
OTHER	370			241		241		9 434	
TOTAL-WOLF SOUTH	966			694		694		26 983	
WOLVERINE 098-15W5									
TOTAL-WOLVERINE	187			110		110		3 842	
WOOD RIVER 043-23W4									
LOWER MANNVILLE B	545	0.80	0.10	392	262	130	41	5 318	406
OTHER	3 362			2 022	395	1 627		63 418	
TOTAL-WOOD RIVER	3 907			2 414	657	1 757		68 736	
WOODENHOUSE (SA) 086-22W4									
TOTAL-WOODENHOUSE	200			96		96		3 534	
WOODLAND 060-19W4									
TOTAL-WOODLAND	434			291	30	261		9 581	
WOOLFORD (SA) 002-24W4									
TOTAL-WOOLFORD	52			21		21		809	
WORKMAN 031-26W4									
TOTAL-WORKMAN	246			141	90	51		1 957	
WORSLEY 087-07W6									
CHARLIE LAKE B ASSOC	410	0.85	0.10	314		314	39	12 164	1 280
D-3 A	761	0.85	0.07	602	514	88	37	3 254	1 367
D-3 B	827	0.90	0.07	692	682	10	36	365	1 726
D-3 D	1 520	0.85	0.07	1 202	1 202	< 1	34	-	440
D-3 E	817	0.75	0.05	582	582	< 1	35	-	400
D-3 G	1 803	0.40	0.05	685	685	< 1	37	-	1 351
GRANITE WASH A	540	0.85	0.10	413	413	< 1	37	-	128
OTHER	3 169			2 050	520	1 530		56 890	
TOTAL-WORSLEY	9 847			6 540	4 598	1 942		72 673	
WRENTHAM 006-16W4									
TOTAL-WRENTHAM	105			65	2	63		2 166	
WROE (SA) 056-25W5									
TOTAL-WROE	305			216		216		7 824	
YEKAU LAKE 052-26W4									
TOTAL-YEKAU LAKE	484			270	73	197		7 404	
YELLOWSTONE (SA) 071-13W5									
TOTAL-YELLOWSTONE	19			12		12		466	
YOUNGSTOWN 031-10W4									
TOTAL-YOUNGSTOWN	518			327	54	273		10 321	
ZAMA 118-05W6									
SULPHUR POINT I	628	0.85	0.15	454		454	38	17 093	498
OTHER	9 749			5 618	906	4 712		180 593	
TOTAL-ZAMA	10 377			6 072	906	5 166		197 686	
ZEUES (SA) 119-11W6									
TOTAL-ZEUES	9			7		7		262	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS	POROSITY	GAS SATN	INITIAL PRESSURE	TEMP	COMPRESS	RAW GAS RELATIVE DENSITY	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
m	frac	frac	kPa	°C	frac	frac	m			
1.91	0.180	0.60	12 160	46	0.842	0.60	1 406.0	1959	1986	A&S PANALTA CWNGNUL MATERIAL BALANCE
11.80	0.150	0.85	21 230	70	0.888	0.58	2 619.0	1981	1983	ENCOR ESSO AMOCO BER
5.76	0.162	0.70	10 470	51	0.794	0.75	1 422.5	1958	1979	BLUERGER TCPL MATERIAL BALANCE
2.99	0.153	0.75	8 790	42	0.850	0.63	1 035.0	1975	1991	PANALTA AMOCO
8.53	0.059	0.80	22 820	85	0.904	0.67	2 252.9	1960	1969	MATERIAL BALANCE
17.14	0.040	0.80	22 380	83	0.908	0.65	2 223.9	1960	1984	SUNCOR WAINOCO MATERIAL BALANCE
12.20	0.099	0.80	21 330	83	0.906	0.70	2 142.0	1961	1987	
15.85	0.104	0.80	21 230	76	0.906	0.66	2 299.3	1965	1987	
13.76	0.060	0.80	22 750	83	0.900	0.68	2 222.6	1959	1986	
25.00	0.176	0.85	20 340	91	0.907	0.65	2 263.7	1975	1989	
14.08	0.081	0.85	13 100	60	0.860	0.66	1 355.0	1968	1969	PROGAS

a MEASURED HEATING VALUE.
b INCLUDES SOLUTION GAS PRODUCTION.
c POOL RECOVERY AND SURFACE LOSS CALCULATED ON AN ENERGY BASIS. SEE TABLE 4-2.

[illegible]

5 ETHANE CONTENT OF GAS

This chapter discusses the 1992 production of ethane and presents the Board's estimate of the total volume of ethane contained in the remaining established reserves of gas. Although the Board believes that ethane extraction at crude-oil refineries and at plants processing synthetic crude oil may become viable in the future, it has not attempted to estimate the prospective reserves from those sources. The effect of future ethane recovery at gas reprocessing plants on Alberta's remaining established reserves of marketable gas is discussed in Chapter 4.

Ethane is defined in the Oil and Gas Conservation Act as "in addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane". Although the 1992 ethane recovery data conform with this definition, the ethane reserve estimates are calculated on the basis of ethane product assumed to be 100 per cent ethane.

Ethane volumes are given in the standard unit of cubic metres of ethane liquid at equilibrium pressure and 15 degrees Celsius. However, in Table 5-1, ethane reserves are also given in cubic metres of ethane gas at 101.325 kilopascals and 15 degrees Celsius. A conversion factor of 0.003 55 cubic metres of ethane liquid per cubic metre of ethane gas is used.

5.1 Ethane in the Remaining Established Reserves of Gas

The Board has developed a computer file of compositional gas analyses, which has been used extensively in preparing the ethane reserve estimates in this section. Where a gas analysis was not available for a particular pool, a field or area average for the zone was used.

As shown in Table 5-1, the ethane content in liquefied form of the total remaining established reserves of marketable gas is some 303 million cubic metres, some 196 million of which is in currently producing pools and the remaining 107 million in unconnected or deferred pools. Of the ethane content in unconnected pools, some 7.6 million cubic metres is in pools currently considered beyond economic reach and some 1.1 million in confidential pools. These reserves exclude volumes of ethane recoverable from solvent flood banks.

The Board has also estimated the contribution to reserves of the ethane component of the solvent bank injected into several pools throughout the province to enhance oil recovery. Pool recovery factors based on Board studies were used to estimate the solvent bank recoverable from each pool. An evaluation of both the injected and reproduced solvent volumes has resulted in the Board's estimates of the ethane volume recoverable from solvent floods. The 1992 estimate of ethane "Recoverable from Solvent Floods" (as stated at the end of Table 5-1) excludes volumes contained in push gas, as these volumes are included under the individual pool reserve estimates.

For individual gas pools, the ethane content of marketable gas in Alberta, with few exceptions, falls within the range of 0.002 5 to 0.20 mole per mole. The 31 December 1992 volume-weighted average ethane content of all remaining established marketable gas is 0.054 mole per mole, as indicated in Table 5-1.

5.2 Extraction of Specification Ethane in 1992

During 1992, decreases in production of specification ethane at the A.N.G. Cochrane, Dome Empress and Wolcott Empress plants offset increases in production at the Petro-Canada Empress and Esso Bonnie Glen plants. Overall, the extraction of specification ethane decreased slightly from 8254 thousand cubic metres to 8209 thousand cubic metres in 1992.

5.3 Extraction of Ethane-plus Product in 1992

The total production of ethane-plus for 1992 was 2323 thousand cubic metres with an estimated ethane content of approximately 0.77 mole per mole.

TABLE 5-1 Ethane in the Remaining Established Reserves of Gas
As at 31 December 1992

Fields	Remaining Established Reserves of Marketable Gas	Ethane Content ^a	Volume of Ethane			
			10 ⁶ m ³	mol/mol	10 ⁶ m ³ (gas)	10 ⁶ m ³ (liquid)
Major Fields						
Bonnie Glen	12 367	0.162	2 000	7.10		
Brazeau River	27 076	0.087	2 363	8.39		
Caroline	42 233	0.149	6 276	22.28		
Elmworth	25 693	0.066	1 702	6.04		
Garrington	10 091	0.093	940	3.34		
Gilby	10 714	0.091	970	3.44		
Harmattan East	11 378	0.090	1 021	3.62		
Harmattan-Elkton	14 213	0.088	1 249	4.43		
Jumping Pound West	23 377	0.041	961	3.41		
Karr	11 688	0.082	956	3.39		
Kaybob South	23 192	0.112	2 589	9.19		
Leduc-Woodbend	9 005	0.112	1 012	3.59		
Medicine River	10 080	0.100	1 008	3.58		
Pembina	26 628	0.091	2 436	8.65		
Rainbow	14 386	0.099	1 423	5.05		
Ricinus	21 574	0.080	1 729	6.14		
Sylvan Lake	12 592	0.096	1 208	4.29		
Valhalla	12 357	0.081	998	3.54		
Wapiti	16 530	0.062	1 027	3.65		
Waterton	20 302	0.044	889	3.16		
Wembley	8 216	0.106	871	3.09		
Westrose South	10 266	0.090	923	3.28		
Willesden Green	14 060	0.102	1 430	5.08		
Subtotal	388 020	0.093	35 981	128		

TABLE 5-1 (continued)

Fields	Remaining Established Reserves of Marketable Gas	Ethane Content ^a	Volume of Ethane	
			10 ⁶ m ³ (gas)	10 ⁶ m ³ (liquid)
Fields with over 1.50 × 10 ⁹ m ³ of remaining established marketable gas but under 3.0 × 10 ⁶ m ³ of ethane reserves	909 554	0.042	37 883	134
Subtotal	1 297 574	0.057	73 864	262
All other remaining established reserves of marketable gas	292 422	0.040	11 555	41
Total	1 589 996	0.054	85 419	303
Recoverable from solvent floods			2 460	9
Provincial Total			87 879	312
			(3 119) ^b	(1 975) ^c

- a Volume-weighted average. In several fields, ethane is extracted at field plants such that the actual ethane content of marketable gas from these fields is substantially less than this calculated content.
- b Imperial equivalent in billions of cubic feet.
- c Imperial equivalent in millions of barrels.

6 RESERVES OF NATURAL GAS LIQUIDS

Natural gas liquids are defined in the Oil and Gas Conservation Act as "propane, butanes, or pentanes plus, or a combination of them, obtained from the processing of raw gas or condensate". For the purposes of this report, condensate recovered in stock tanks and marketed without processing is included in the reserves of pentanes plus. Also included in the pentanes plus category are higher-vapour-pressure products that contain substantial quantities of butanes recovered at several plants throughout the province.

6.1 Provincial Summary

The Board estimates the remaining established reserves of natural gas liquids in the province as at 31 December 1992 to be 312 million cubic metres. During 1992, the Board continued to improve its computerized database. Although this effort has not significantly affected the provincial reserves, it has caused some minor variations in reserves associated with specific formations. Overall, the Board believes this year's estimates are an improvement over previous ones. The changes in the reserves during the past year are tabulated below:

	Established Reserves			
	Propane	Butanes	Pentanes Plus	Total
	10 ⁶ m ³ (liquid)			
Remaining at 31 December 1991	121.4	69.9	119.3	310.6
Additions during 1992	6.4	4.4	7.5	18.3
Less net production ^a during 1992	6.7	3.7	6.8	17.2
Remaining at 31 December 1992	121.1	70.6	120.0	311.7
	(763.1) ^b	(444.4) ^b	(755.4) ^b	(1 962.9) ^b
Cumulative net production ^a to 31 December 1992	131.7	80.4	197.6	409.7
Initial established reserves at 31 December 1992	252.8	151.0	317.6	721.4
	(1 592.6) ^b	(950.8) ^b	(1 998.6) ^b	(4 542.1) ^b

a Net production means production less those volumes returned to the formation or injected to enhance the recovery of oil.

b Imperial equivalent in millions of barrels.

Also during 1992 propane and butanes recovery at crude-oil refineries was 284.1 and 611.5 thousand cubic metres, respectively. Although propane and butanes are potentially recoverable at other crude-oil refineries and from processing crude bitumen, the Board has not attempted to estimate the prospective reserves from those sources.

6.2 Major Changes to Recoverable Reserves of Natural Gas Liquids

During 1992 the Board continued to refine the injected gas volume figures for solvent flood enhanced recovery schemes and for gas cycling schemes. Part of this refinement process included corrections to marketable gas production figures resulting in changes to the remaining established reserves of marketable gas, which in turn is reflected in the remaining established reserves of natural gas liquids in several fields. The most notable of these corrections occurred as a reduction in the remaining marketable gas reserves of the Swan Hills South-Beaverhill Lake Formation. Other changes to the reserves of natural gas liquids occurred as a result of reserves additions and deletions, re-evaluation of plant recovery efficiencies and gas and liquids production. The most notable of these changes were increases in the Caroline, Mitsue and Rainbow South Fields and decreases in the Brazeau River, Elmworth, Judy Creek and Rainbow Fields. The overall result of the corrections and changes is a slight increase in the remaining reserves of natural gas liquids compared to 1991 levels as shown in the tabulation in Section 6.1.

6.3 Determination of Recoverable Reserves of Natural Gas Liquids

The remaining established reserves of natural gas liquids consist of liquids that are expected to be extracted from the province's remaining established reserves of raw gas. The liquids recoverable from pools currently producing and connected to gas processing plants were generally determined using remaining recoverable raw-gas reserves, a raw-gas analysis, and the current plant recovery efficiency for each component. For retrograde condensate pools where gas is cycled, product recoveries have been determined from individual reservoir studies having regard for anticipated future cycling and blowdown operations.

For those pools not currently connected or on production, the Board estimated whether or not the gas would be processed for liquid recovery and, if so, the recovery efficiency for each component. This estimate was made on a broad judgement basis having regard for the gas composition in those pools. Confidential reserves and those considered beyond economic reach are included in the unconnected-reserve category.

The natural gas liquid reserves recoverable at reprocessing plants have been estimated by multiplying the remaining marketable gas reserves by the historic ratio of liquid production to marketable gas production. This assumes that both the liquid content of marketable gas and the portion of marketable gas to be reprocessed will remain constant. The Board believes that the approach gives a reasonable indication of the natural gas liquids recoverable at reprocessing plants.

The Board has also estimated the reserves of natural gas liquids being injected as solvent into several pools throughout the province to enhance oil recovery. Pool recovery factors based on Board studies were used to estimate the portion of such solvent recoverable from each pool. Plant recovery factors of 85 per cent for propane, 95 per cent for butanes, and 100 per cent for pentanes plus were then applied to the pool recoveries to determine the reserves of natural gas liquids recoverable from solvent-flood schemes. A re-evaluation of both the injected and reproduced solvent volumes has

resulted in changes in the Board's estimates of volumes recoverable from solvent floods. The 1992 estimates of natural gas liquids "Recoverable from Solvent Floods" (as stated at the end of Table 6-1) exclude volumes contained in push gas as these volumes are included under the individual pool reserve estimates.

The following tabulation shows the natural gas liquid reserves broken down into connected and unconnected categories. These reserves exclude volumes recoverable at reprocessing plants and from solvent-flood production.

	Remaining Established Reserves As at 31 December 1992			
	Propane	Butanes	Pentanes Plus	Total
	10 ⁶ m ³ (liquid)			
Connected	45.2	33.8	78.3	157.3
Unconnected	26.5	15.3	32.2	74.0
Total	71.7	49.1	110.5	231.3

6.4 Discussion of Reserves Table 6-1

The Board's current estimates of the remaining established reserves of natural gas liquids are detailed in Table 6-1. Fields containing 800 000 cubic metres or more of recoverable liquids are listed individually and those containing less are grouped under the **Beyond Economic Reach, Confidential, and Other Small Reserves** categories. Provincial reserves recoverable at reprocessing plants and from solvent-flood schemes are not included in the reserves for the individual pools but are shown as totals at the end of the table.

**TABLE 6-1 Remaining Established Reserves of Natural Gas Liquids
As at 31 December 1992**

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid	4 Recovery Ratio	5 Propane Butanes Pentanes Plus	6 Remaining	7 Established	8 Reserves of Natural Gas Liquids	9 Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Acheson	Mannville	453	126	60	40	57	27	18	102
	Winterburn	78	64	38	128	5	3	10	18
	Leduc	799	542	233	338	433	186	270	889
	Subtotal					495	216	298	1 009
Ansell	Cardium	2 360	60	42	225	141	99	530	770
	Viking	466	77	36	92	36	17	43	96
	Mannville	2 347	56	40	76	131	95	179	405
	Jurassic	38	132	79	132	5	3	5	13
	Mississippian	457	88	24	11	40	11	5	56
	Subtotal					353	225	762	1 340
Bigoray	Mannville	2 304	112	57	110	258	131	253	642
	Jurassic	472	87	51	129	41	24	61	126
	Mississippian	365	85	47	96	31	17	35	83
	Winterburn	701	302	160	140	212	112	98	422
	Subtotal					542	284	447	1 273
Bonnie Glen	Cardium	94	202	117	138	19	11	13	43
	Mannville	757	70	40	44	53	30	33	116
	Leduc*	11 455	-	-	-	1 109	566	1 324	2 999
	Subtotal					1 181	607	1 370	3 158
Brazeau River	Viking	4 126	75	41	144	311	168	595	1 074
	Jurassic	2 414	143	73	168	345	177	405	927
	Mississippian	8 681	-	-	82	-	-	708	708
	Winterburn*	11 855	-	-	-	1 007	905	4 640	6 552
	Subtotal					1 663	1 250	6 348	9 261
Caroline	Cardium	1 676	129	76	189	217	128	317	662
	Viking	1 366	125	65	110	171	89	150	410
	Mannville	14 152	131	70	175	1 859	986	2 477	5 322
	Jurassic	153	131	78	124	20	12	19	51
	Mississippian	1 502	72	45	113	108	67	170	345
	Beaverhill Lake	22 564	260	337	870	5 867	7 604	19 631	33 102
	Subtotal					8 242	8 886	22 764	39 892
Carrot Creek	Cardium	402	75	55	119	30	22	48	100
	Mannville	1 711	115	74	110	196	127	188	511
	Jurassic	1 346	123	67	95	165	90	128	383
	Subtotal					391	239	364	994

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Clive	Viking	223	94	54	90	21	12	20	53
	Mannville	898	133	71	144	119	64	129	312
	Winterburn	455	242	134	207	110	61	94	265
	Leduc	689	234	134	149	161	92	103	356
	Subtotal					411	229	346	986
Cranberry	Beaverhill Lake	6 417	65	67	213	418	430	1 366	2 214
	Elk Point	682	12	10	54	8	7	37	52
	Subtotal					426	437	1 403	2 266
Crossfield	Viking	146	130	96	75	19	14	11	44
	Mannville	762	71	47	83	54	36	63	153
	Jurassic	28	107	71	179	3	2	5	10
	Mississippian ^a	5 197	-	-	-	444	291	640	1 375
	Wabamun	1 914	7	5	26	13	10	49	72
	Subtotal					533	353	768	1 654
Dunvegan	Triassic	243	78	45	58	19	11	14	44
	Mississippian	11 435	64	39	94	736	442	1 071	2 249
	Wabamun	283	102	67	134	29	19	38	86
	Subtotal					784	472	1 123	2 379
Edson	Cardium	1 375	186	123	141	256	169	194	619
	2nd White Specks	167	144	84	96	24	14	16	54
	Viking	1 451	14	6	42	21	9	61	91
	Mannville	2 871	108	58	102	309	167	292	768
	Jurassic	567	159	92	354	90	52	201	343
	Mississippian	4 466	-	-	26	-	-	115	115
	Winterburn	358	-	-	45	-	-	16	16
	Subtotal					700	411	895	2 006
Elmworth	Cardium	519	114	56	62	59	29	32	120
	Cadotte	2 576	32	14	21	82	37	54	173
	Mannville	19 085	46	20	49	874	390	940	2 204
	Jurassic	1 749	10	5	27	17	8	48	73
	Triassic	1 632	32	19	104	52	31	170	253
	Subtotal					1 084	495	1 244	2 823
Ferrier	Belly River	200	150	65	40	30	13	8	51
	Cardium	4 342	120	76	121	520	332	526	1 378
	Viking	329	152	79	125	50	26	41	117
	Mannville	1 805	52	28	141	94	50	254	398
	Jurassic	193	135	67	57	26	13	11	50
	Mississippian	1 510	-	-	160	-	-	241	241
	Subtotal					720	434	1 081	2 235

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Fir	Cardium	56	143	71	36	8	4	2	14
	Dunvegan	471	138	66	132	65	31	62	158
	Mannville	2 125	23	11	139	49	24	296	369
	Triassic	3 552	21	18	69	75	64	245	384
	Mississippian	217	23	18	65	5	4	14	23
	Subtotal					202	127	619	948
Garrington	Cardium	156	141	83	269	22	13	42	77
	Viking	735	117	65	131	86	48	96	230
	Mannville	4 112	156	85	127	641	349	521	1 511
	Jurassic	589	49	24	51	29	14	30	73
	Mississippian	1 670	93	58	126	155	97	211	463
	Wabamun	1 107	119	97	185	132	107	205	444
	Leduc	1 710	99	68	150	170	116	257	543
Subtotal					1 235	744	1 362	3 341	
Ghost Pine	Viking	110	9	9	55	1	1	6	8
	Mannville	5 112	54	45	60	276	229	306	811
	Mississippian	719	68	51	51	49	37	37	123
	Subtotal					326	267	349	942
Gilby	Cardium	84	60	36	83	5	3	7	15
	Mannville	5 699	87	60	75	498	344	426	1 268
	Jurassic	1 652	104	56	67	172	92	111	375
	Mississippian	3 078	79	50	75	244	153	232	629
	Wabamun	52	135	58	58	7	3	3	13
	Subtotal					926	595	779	2 300
Gold Creek	Cadotte	62	81	32	65	5	2	4	11
	Mannville	2 254	130	64	91	294	144	205	643
	Jurassic	288	80	38	52	23	11	15	49
	Triassic	352	97	60	63	34	21	22	77
	Wabamun	1 456	-	-	532	-	-	774	774
	Subtotal					356	178	1 020	1 554
Harmattan East	Viking	85	141	94	59	12	8	5	25
	Mannville	293	130	68	82	38	20	24	82
	Mississippian*	11 105	-	-	-	499	369	654	1 522
	Subtotal					549	397	683	1 629
Harmattan-Elkton	Mannville	59	119	68	85	7	4	5	16
	Mississippian*	14 045	-	-	-	306	269	762	1 337
	Subtotal					313	273	767	1 353

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Hussar	Viking	779	51	27	47	40	21	37	98
	Basal Colorado	198	20	10	30	4	2	6	12
	Mannville	6 972	89	53	65	620	368	454	1 442
	Mississippian	53	94	57	38	5	3	2	10
	Subtotal					669	394	499	1 562
Judy Creek	Viking	152	26	20	99	4	3	15	22
	Beaverhill Lake	2 863	382	151	102	1 093	431	291	1 815
	Subtotal					1 097	434	306	1 837
Jumping Pound West	Mississippian	23 377	26	24	79	608	561	1 847	3 016
	Subtotal					608	561	1 847	3 016
Kakwa	Cardium*	2 955	-	-	-	285	182	355	822
	Cadotte	340	112	65	147	38	22	50	110
	Mannville	725	44	22	30	32	16	22	70
	Subtotal					355	220	427	1 002
Karr	Dunvegan	967	37	20	63	36	19	61	116
	Mannville	9 503	150	86	150	1 428	815	1 430	3 673
	Subtotal					1 464	834	1 491	3 789
Kaybob	Viking	317	60	44	63	19	14	20	53
	Mannville	4 863	27	23	37	130	113	182	425
	Jurassic	145	145	76	90	21	11	13	45
	Wabamun	79	127	76	76	10	6	6	22
	Beaverhill Lake*	2 349	-	-	-	298	331	469	1 098
	Subtotal					478	475	690	1 643
Kaybob South	Viking	388	49	26	46	19	10	18	47
	Mannville	7 886	27	16	56	215	127	439	781
	Jurassic	423	59	26	78	25	11	33	69
	Triassic	1 419	84	44	96	119	63	136	318
	Winterburn	2 463	148	125	446	364	307	1 098	1 769
	Beaverhill Lake*	10 560	-	-	-	705	724	1 780	3 209
	Subtotal					1 447	1 242	3 504	6 193
Leduc-Woodbend	Mannville	3 144	140	66	59	441	206	185	832
	Wabamun	896	99	55	60	89	49	54	192
	Winterburn	190	126	68	68	24	13	13	50
	Leduc	4 349	101	104	53	439	452	231	1 122
	Subtotal					993	720	483	2 196

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Medicine River	Viking	76	118	79	79	9	6	6	21
	Mannville	5 494	110	58	58	603	319	316	1 238
	Jurassic	1 800	101	48	44	182	86	80	348
	Mississippian	2 384	121	79	119	288	189	283	760
	Leduc	291	210	141	258	61	41	75	177
	Subtotal					1 143	641	760	2 544
McLeod	Cardium	274	106	62	55	29	17	15	61
	Mannville	3 322	123	72	98	407	239	324	970
	Jurassic	1 705	106	63	169	181	107	288	576
	Winterburn	533	81	47	45	43	25	24	92
	Beaverhill Lake	107	93	65	336	10	7	36	53
	Subtotal					670	395	687	1 752
Minehead	Belly River	20	150	100	200	3	2	4	9
	Cardium	2 932	106	67	258	311	197	757	1 265
	Subtotal					314	199	761	1 274
Minnehik-Buck Lake	Belly River	425	118	64	75	50	27	32	109
	Cardium	43	163	93	116	7	4	5	16
	Viking	24	208	125	125	5	3	3	11
	Mannville	627	97	49	78	61	31	49	141
	Jurassic	360	36	19	97	13	7	35	55
	Mississippian	3 867	50	28	77	195	109	298	602
	Subtotal					331	181	422	934
Mitsue	Elk Point	1 932	482	296	152	931	572	294	1 797
	Subtotal					931	572	294	1 797
Niton	Mannville	1 347	113	62	125	152	84	169	405
	Jurassic	4 231	35	33	90	150	139	382	671
	Subtotal					302	223	551	1 076
Peco	Belly River	325	86	40	98	28	13	32	73
	Cardium	222	104	59	86	23	13	19	55
	Viking	232	39	22	108	9	5	25	39
	Mannville	1 924	94	61	284	180	117	547	844
	Jurassic	1 214	86	44	68	104	53	82	239
	Subtotal					344	201	705	1 250

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Pembina	Belly River	3 831	98	67	113	374	255	432	1 061
	Cardium	5 834	149	108	96	869	630	560	2 059
	Viking	384	102	49	52	39	19	20	78
	Mannville	7 033	99	57	78	698	400	549	1 647
	Jurassic	2 725	120	68	133	326	184	363	873
	Mississippian	1 462	96	67	92	141	98	134	373
	Winterburn	5 204	219	103	62	1 140	538	322	2 000
	Subtotal					3 587	2 124	2 380	8 091
Pine Creek	Mannville	4 241	18	17	189	75	74	803	952
	Jurassic	2 678	-	-	39	-	-	104	104
	Triassic	1 274	-	-	27	-	-	34	34
	Wabamun	1 512	-	-	19	-	-	29	29
	Subtotal					75	74	970	1 119
Progress	Triassic	5 302	69	50	113	366	266	597	1 229
	Subtotal					366	266	597	1 229
Rainbow	Mannville	2 686	8	8	8	22	22	21	65
	Slave Point	466	99	58	120	46	27	56	129
	Sulphur Point	846	74	51	98	63	43	83	189
	Muskeg	337	205	116	128	69	39	43	151
	Keg River	9 970	189	106	139	1 885	1 057	1 383	4 325
	Subtotal					2 085	1 188	1 586	4 859
Rainbow South	Sulphur Point	586	17	12	53	10	7	31	48
	Muskeg	618	121	81	115	75	50	71	196
	Keg River	1 959	275	152	294	538	297	575	1 410
	Subtotal					623	354	677	1 654
Ricinus	Cardium ^a	14 283	-	-	-	548	372	634	1 554
	Viking	3 852	37	19	83	142	75	318	535
	Mannville	104	87	38	48	9	4	5	18
	Winterburn	250	96	108	84	24	27	21	72
	Subtotal					723	478	978	2 179
Shekilie	Sulphur Point	546	106	71	101	58	39	55	152
	Muskeg	156	96	58	77	15	9	12	36
	Elk Point	30	133	67	100	4	2	3	9
	Keg River	2 374	175	107	102	416	253	242	911
	Subtotal					493	303	312	1 108

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Strachan	Cardium	185	162	92	157	30	17	29	76
	Mannville	1 284	21	9	48	27	11	62	100
	Jurassic	78	115	51	13	9	4	1	14
	Leduc	3 449	43	40	149	149	138	515	802
	Subtotal					215	170	607	992
Swan Hills	Beaverhill Lake	2 350	694	425	232	1 631	999	545	3 175
	Subtotal					1 631	999	545	3 175
Sylvan Lake	Viking	302	126	73	76	38	22	23	83
	Mannville	6 149	106	64	97	650	391	598	1 639
	Jurassic	2 299	102	63	75	235	144	172	551
	Mississippian	2 832	93	59	77	262	166	219	647
	Leduc	888	96	86	209	85	76	186	347
	Subtotal					1 270	799	1 198	3 267
Twining	Viking	999	38	25	43	38	25	43	106
	Mannville	1 019	74	56	64	75	57	65	197
	Mississippian	6 062	95	113	83	574	687	503	1 764
	Subtotal					687	769	611	2 067
Valhalla	Doe Creek	2 269	22	19	28	51	43	63	157
	Mannville	2 249	17	8	36	39	19	81	139
	Triassic*	6 761	-	-	-	1 132	590	1 975	3 697
	Subtotal					1 222	652	2 119	3 993
Virginia Hills	Mannville	227	13	4	18	3	1	4	8
	Mississippian	681	104	59	78	71	40	53	164
	Beaverhill Lake	1 183	450	210	135	532	249	160	941
	Subtotal					606	290	217	1 113
Waterton	Cardium	140	100	57	129	14	8	18	40
	Mannville	397	76	35	50	30	14	20	64
	Mississippian*	17 632	-	-	-	579	446	2 465	3 490
	Subtotal					623	468	2 503	3 594
Wembley	Dunvegan	318	97	47	47	31	15	15	61
	Viking	218	60	28	28	13	6	6	25
	Triassic*	7 255	-	-	-	1 144	583	2 174	3 901
	Subtotal					1 188	604	2 195	3 987

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Westerose	Viking	90	78	33	44	7	3	4	14
	Mannville	2 788	128	67	94	357	187	262	806
	Mississippian	44	136	91	182	6	4	8	18
	Winterburn	69	87	58	145	6	4	10	20
	Leduc ^a	2 976	-	-	-	363	273	387	1 023
	Subtotal					739	471	671	1 881
Westerose South	Mannville	9 155	145	75	93	1 331	688	852	2 871
	Mississippian	219	119	59	87	26	13	19	58
	Wabamun	270	152	74	59	41	20	16	77
	Leduc ^a	622	-	-	-	23	17	37	77
	Subtotal					1 421	738	924	3 083
Westpem	Mannville	699	162	93	56	113	65	39	217
	Jurassic	359	106	72	162	38	26	58	122
	Winterburn ^a	2 502	-	-	-	435	259	247	941
	Subtotal					586	350	344	1 280
Willesden Green	Belly River	1 672	127	78	71	212	130	118	460
	Cardium	3 748	99	77	102	370	288	381	1 039
	Viking	485	190	122	165	92	59	80	231
	Mannville	6 649	139	77	165	924	513	1 100	2 537
	Jurassic	1 076	148	84	158	159	90	170	419
	Mississippian	430	100	60	112	43	26	48	117
	Subtotal					1 800	1 106	1 897	4 803
Wilson Creek	Belly River	604	86	83	149	52	50	90	192
	Mannville	861	111	64	157	96	55	135	286
	Jurassic	193	67	47	47	13	9	9	31
	Mississippian	2 964	81	48	107	240	141	316	697
	Subtotal					401	255	550	1 206
Wizard Lake	Mannville	635	94	49	61	60	31	39	130
	Leduc	5 749	346	199	60	1 989	1 144	345	3 478
	Subtotal					2 049	1 175	384	3 608

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10 ⁶ m ³	m ³ /10 ⁶ m ³ of marketable gas			10 ³ m ³			
Zama	Slave Point	1 085	15	10	47	16	11	51	78
	Sulphur Point	3 215	46	47	75	147	151	240	538
	Muskeg	39	205	128	128	8	5	5	18
	Elk Point	216	120	69	69	26	15	15	56
	Keg River	611	134	90	101	82	55	62	199
	Subtotal					279	237	373	889
Subtotal						55 247	38 281	80 857	174 385
Reserves Beyond Economic Reach						1 102	657	2 747	4 506
Confidential Reserves						135	86	220	441
Other Small Reserves						15 193	10 059	26 681	51 933
Subtotal						71 677	49 083	110 505	231 265
Recoverable at Reprocessing Plants						46 610	19 090	8 480	74 180
Recoverable from Solvent Floods						2 839	2 404	1 050	6 293
Total Reserves						121 126	70 577	120 035	311 738
						(763.1) ^b	(444.4) ^b	(755.4) ^b	(1 962.9) ^b

^a Includes gas cycling pool. Gas reserves calculated on an energy basis. See Table 4-2. Liquid recovery ratios are not included because of those parameters changing with time.

^b Imperial equivalent in millions of barrels.

7 RESERVES OF SULPHUR

7.1 Provincial Summary

The Board estimates the remaining established reserves of elemental sulphur in the province as at 31 December 1992 to be some 100 million tonnes. The changes in sulphur reserves during the past year are as follows:

	Established Sulphur Reserves from Natural Gas	Established ^a Sulphur Reserves from Crude Bitumen	Total Established Sulphur Reserves
	10 ⁶ t	10 ⁶ t	10 ⁶ t
Remaining at 31 December 1991	85.7	16.1	101.8
Additions during 1992	3.7	0.0	3.7
Production during 1992	5.2	0.6	5.8
Remaining at 31 December 1992	84.2 (82.9) ^b	15.5 (15.3) ^b	99.7 (98.1) ^b
Cumulative net production to 31 December 1992	143.9	6.3	150.2
Initial established reserves at 31 December 1992	228.1 (224.5) ^b	21.8 (21.5) ^b	249.9 (246.0) ^b

- a Recoverable reserves of elemental sulphur under active development at Suncor and Syncrude plants.
- b Imperial equivalent in millions of long tons.
- c Additions are due to improved sulphur recovery technology at plants.

7.2 Sulphur from Natural Gas

Sulphur stockpiles had accumulated at various gas plant sites in the province until 1978. When markets became available, these stockpiles were subsequently reduced from their peak in 1978 of 20.3 million tonnes to 2.4 million tonnes in 1991. Now a significant drop in the price of sulphur has caused the resumption of stockpiling. Consequently, the sulphur stockpiled at year-end 1992 was 2.9 million tonnes, some 0.5 million tonnes greater than at year-end 1991.

The Board's estimates of remaining established reserves of sulphur recoverable from gas have been prepared by applying the appropriate hydrogen sulphide (H_2S) content and sulphur recovery efficiency to the remaining established reserves of raw gas in each pool. Where sulphur is currently being recovered, historical recovery efficiencies have been used. Where sulphur recovery is anticipated from gas reserves not yet being produced, the recovery efficiency has been estimated on the basis of the minimum sulphur recovery efficiency guidelines published in the Board's Informational Letter IL 88-13. The remaining established reserves of sulphur for cycling schemes were determined from a detailed assessment of each pool and, because the H_2S content in the gas changes with time, only the remaining reserves are reported.

Of the 84.2 million tonnes of remaining sulphur recoverable from gas, some 65.9 million are in currently producing pools and the remaining 18.3 million are in unconnected pools. The unconnected reserves include some 6.8 million tonnes in pools considered beyond economic reach.

The Board's reserve estimates are shown in Table 7-1. Fields containing 800 000 tonnes or more of recoverable sulphur are listed individually and those containing less are grouped under **Other Small Reserves**. The most notable changes in the remaining reserves of sulphur occurred in the Caroline Field as a result of an increase in the remaining marketable gas reserves in the Beaverhill Lake Formation. Other increases occurred in the Wimborne and Ricinus Fields, however, all the increases were offset by production resulting in an overall decrease in the remaining reserves of sulphur from 1991 levels. A summary of the provincial changes are shown in the tabulation in Section 7.1.

7.3 Sulphur from Crude Bitumen

Crude bitumen in oil sands deposits contains significant amounts of sulphur. As a result of current upgrading operations in which bitumen is converted to synthetic crude oil, an average of 90 per cent of the sulphur contained in the crude bitumen is either recovered in the form of elemental sulphur or remains in products including coke.

It is currently estimated that some 206 million tonnes of elemental sulphur will be recoverable from the 5.1 billion cubic metres of remaining established crude bitumen reserves in the surface-minable area. These sulphur reserves were estimated by multiplying the remaining established reserves of crude bitumen by a factor of 40.5 tonnes per thousand cubic metres of crude bitumen. In 1989, this ratio was revised from previous estimates to reflect both current operations and the expected use of high conversion, hydrogen addition upgrading technologies for the future development of surface-mineable crude bitumen reserves. Hydrogen addition technology yields a higher elemental sulphur production than does an alternative carbon rejection technology, as a larger percentage of the sulphur in the bitumen remains in upgrading residues as opposed to being converted to H_2S .

7.4 Sulphur from Crude Bitumen Reserves Under Active Development

Only a portion of the surface-mineable established crude bitumen reserves is under active development at the approved Suncor and Syncrude projects. The Board has estimated the initial established reserves of elemental sulphur for the Suncor and Syncrude projects at 21.8 million tonnes, of which 6.3 million tonnes of elemental sulphur have been produced, leaving a remaining established reserve of 15.5 million tonnes. During 1992, a total of 0.6 million tonnes of elemental sulphur were produced at the Suncor and Syncrude projects. The changes in established sulphur reserves during 1992 are summarized in Section 7.1.

TABLE 7-1 **Remaining Established Reserves of Sulphur**
As at 31 December 1992

Field	Zone	Remaining Established Reserves of Raw Gas	H ₂ S Content ^a	Recovery Efficiency ^b	Remaining Established Reserves of Sulphur
		10 ⁶ m ³	mol/mol	percentage	10 ³ tonnes
Blackstone	Beaverhill Lake	21 336	0.107	99	3 070
	Subtotal				3 070
Brazeau River	Mississippian	8 090	0.010	99	104
	Nisku ^c	-	-	-	2 804
	Subtotal				2 908
Burnt Timber	Mississippian	5 217	0.077	97	531
	Wabamun	1 144	0.304	97	457
	Subtotal				988
Caroline	Mississippian	477	0.020	99	13
	Nisku ^d	246	0.519	100 ^e	173
	Leduc ^d	3 574	0.703	100 ^e	3 408
	Beaverhill Lake	50 291	0.368	100 ^e	25 087
	Subtotal				28 681
Coleman	Mississippian	4 837	0.279	96	1 757
	Wabamun	1 584	0.279	98	587
	Subtotal				2 344
Crossfield	Mannville	670	0.004	98	4
	Mississippian	6 037	0.006	98	51
	Wabamun	3 987	0.317	98	1 682
	Subtotal				1 737
Crossfield East	Wabamun	3 620	0.344	99	1 671
	Subtotal				1 671
Fir	Triassic	3 951	0.014	99	76
	Leduc	4 604	0.126	99	781
	Subtotal				857
Hanlan	Nisku	290	0.054	95	20
	Beaverhill Lake	21 704	0.090	99	2 634
	Subtotal				2 654
Jumping Pound West	Mississippian	29 028	0.065	97	2 484
	Subtotal				2 484

TABLE 7-1 (continued)

Field	Zone	Remaining Established Reserves of Raw Gas	H ₂ S Content ^a	Recovery Efficiency ^b	Remaining Established Reserves of Sulphur
		10 ⁶ m ³	mol/mol	percentage	10 ³ tonnes
Kaybob South	Triassic	1 557	0.008	98	17
	Nisku	3 435	0.200	98	914
	Beaverhill Lake ^c	-	-	-	1 616
	Subtotal				2 547
Limestone	Mississippian	8 829	0.043	99	513
	Wabamun	1 862	0.164	99	409
	Nisku	442	0.176	95	100
	Leduc	1 242	0.179	96	290
	Subtotal				1 312
Moose	Mississippian	2 404	0.111	99	358
	Wabamun	1 305	0.471	97	809
	Subtotal				1 167
Obed	Nisku	1 690	0.241	98	542
	Leduc	1 428	0.286	97	537
	Subtotal				1 079
Panther River	Mississippian	4 418	0.074	99 ^c	437
	Wabamun ^d	883	0.687	99 ^c	814
	Nisku ^d	476	0.704	99 ^c	450
	Subtotal				1 701
Pine Creek	Jurassic	2 673	0.001	99	5
	Triassic	1 416	0.005	99	9
	Mississippian	104	0.021	99	3
	Wabamun	2 399	0.286	99	922
	Leduc	334	0.250	99	112
	Subtotal				1 051
Rcinus	Nisku	683	0.427	96	380
	Leduc	5 062	0.293	99	1 988
	Subtotal				2 368
Rcinus West	Leduc	3 669	0.332	99	1 635
	Subtotal				1 635
Waterton	Mississippian	20 581	0.177	99	4 902
	Wabamun	2 741	0.152	96	542
	Rundle-Wabamun ^e	-	-	-	1 860
	Subtotal				7 304

TABLE 7-1 (continued)

Field	Zone	Remaining Established Reserves of Raw Gas <u>10⁶ m³</u>	H ₂ S Content ^a <u>mol/mol</u>	Recovery Efficiency ^b <u>percentage</u>	Remaining Established Reserves of Sulphur <u>10³ tonnes</u>
Wimborne	Nisku	1 293	0.140	95	233
	Leduc	3 586	0.131	95	607
					<u>840</u>
Windfall	Mississippian	335	0.016	99	7
	Nisku	814	0.150	95	157
	Leduc ^c	-	-	-	621
	Subtotal				<u>785</u>
Subtotal					69 183
Other Small Reserves					<u>15 030</u>
Total Reserves					<u>84 213</u>
					(82 883) ^f

a Volume-weighted average.

b All recovery efficiencies are rounded to the nearest whole percentage.

c Includes gas-cycling pool. Gas reserves calculated on an energy basis. See Table 4-2. H₂S content is not included because of gas composition changing with time.

d Currently considered beyond economic reach.

e Recovery efficiencies are not rounded but consistent with report ERCB-AE 88-AA, *Sulphur Recovery Guidelines for Sour Gas Plants in Alberta*.

f Imperial equivalent in thousands of long tons.

8 ULTIMATE POTENTIAL

8.1 Conventional Crude Oil

The Board updated ERCB Report 88-E¹ in early 1990 and provided a forecast of Alberta oil supply from all sources for the period 1990 to 2005. The ultimate potential of crude oil and equivalent has been adjusted from 2905 to 2840 million cubic metres to reflect the negative reassessment of existing established reserves since year-end 1988. The Board plans to update this report and issue a revised forecast in 1993.

The current relationship between the initial and remaining ultimate potential for conventional crude oil is illustrated below:

	<u>10⁶ m³</u>
Initial Established	2 293
Cumulative Production	<u>1 851</u>
Remaining Established	442
Yet to Be Established	547
Ultimate Potential	<u>2 840</u>
Remaining Ultimate Potential	989

Net annual additions (after reassessment of existing reserves) to Alberta's initial established crude oil reserves averaged 84 million cubic metres from 1956 to 1970, and about 26 million from 1971 to 1988 (Table 8-1, column 4). Reserve additions over the last 4 years have been limited to an average of 15 million cubic metres due to reduced reserve discoveries and downward re-evaluation of reserves in many older pools.

Columns 1 to 3 of Table 8-1 subdivide the annual reserve growth into three components: new discoveries, development and re-evaluation, and enhanced recovery. The method of subdividing the reserves has varied somewhat over the years such that differences in annual additions may result from the change in method. Starting in 1981, re-evaluation of enhanced recovery schemes has been included under **Development and Re-evaluation** rather than **Enhanced Recovery**. As a result, **Enhanced Recovery** now only represents commencement or expansion of enhanced recovery schemes.

Figure 8-1 graphically depicts Alberta's historical growth in booked reserves and forecast of growth to the year 2040. The Board projects that in 1993, drilling will add established reserves of 13 million cubic metres and 9 million cubic metres for light-medium and heavy crude oil, respectively. Enhanced recovery programs are expected to contribute another 3 million cubic metres to reserve growth in 1993.

1 Energy Resources Conservation Board, 1988. *Alberta Oil Supply, 1988-2003*.
ERCB Report 88-E. Calgary, Alberta.

TABLE 8-1 Summary of Initial and Remaining Established Reserves of Conventional Crude Oil
As of Each Year-end
millions of cubic metres

	1	2	3	4	5	6	7	8
Year	Initial Established					Production		Remaining Established
	New Discoveries (Initial Year)	Development and Re-evaluation	Enhanced Recovery	Net Additions	Cumulative ^a	Annual	Cumulative ^a	
1956	3.5	78.5		82.0	554.1	22.8	105.7	448.4
1957	10.8	29.1		39.9	594.0	21.7	127.4	466.6
1958	1.3	- 4.8	4.9	1.4	595.4	17.9	145.2	450.2
1959	14.3	37.2	16.0	67.5	663.0	20.5	165.7	497.2
1960	0.5	29.9	18.1	48.6	711.6	20.7	186.6	525.0
1961	1.7	31.5	24.5	57.5	769.1	25.1	211.5	557.6
1962	2.9	21.8	19.9	44.0	813.5	26.2	237.9	575.6
1963	14.6	12.6	29.2	56.6	870.0	26.8	264.6	605.4
1964	9.5	88.2	250.8	348.5	1 218.5	27.9	292.4	926.1
1965	28.6	42.6	- 2.4	68.8	1 287.3	29.2	321.6	965.7
1966	89.1	13.5	38.3	140.8	1 428.1	32.2	353.9	1 074.2
1967	57.2	15.7	22.2	95.2	1 523.3	36.6	390.4	1 132.9
1968	62.0	14.8	42.9	119.8	1 643.1	39.8	430.3	1 212.8
1969	40.5	-44.5	58.5	54.5	1 697.6	44.4	474.7	1 222.8
1970	8.4	- 7.6	36.1	36.7	1 734.3	51.7	526.5	1 207.9
1971	14.0	8.7	- 0.8	22.1	1 756.4	56.4	582.9	1 173.6
1972	10.8	- 5.6	14.8	20.0	1 776.5	67.4	650.0	1 126.0
1973	5.1	- 6.0	10.2	9.2	1 785.7	83.3	733.7	1 052.0
1974	4.3	3.3	30.8	38.5	1 824.1	79.0	812.7	1 011.5
1975	1.6	2.1	3.3	7.0	1 831.1	67.5	880.2	950.9
1976	2.5	5.9	-27.0	-18.6	1 812.5	61.0	941.2	871.3
1977	4.8	5.1	9.2	19.1	1 831.6	60.4	1 001.6	830.0
1978	24.9	- 1.9	1.4	24.4	1 856.6	60.0	1 061.6	794.5
1979	19.2	10.3	4.8	34.3	1 890.3	68.5	1 130.1	760.2
1980	9.0	5.2	8.6	22.8	1 913.2	63.2	1 193.3	719.9
1981	15.0	10.4	7.2	32.6	1 945.8	56.5	1 249.8	696.0
1982	16.8	-16.5	6.6	6.9	1 952.7	53.6	1 303.4	649.4
1983	21.4	24.8	17.9	64.1	2 016.8	55.6	1 359.0	657.8
1984	29.1	-11.2	24.1	42.0	2 058.8	59.2	1 418.2	640.7
1985	32.7	9.7	21.6	64.0	2 122.8	56.2	1 474.5	648.5
1986	28.6	-14.1	24.6	39.1	2 162.0	53.2	1 527.7	634.7
1987	20.9	1.6	10.5	33.0	2 195.0	53.9	1 581.6	613.8
1988	17.7	2.5	16.5	36.7	2 231.7	57.2	1 638.8	592.9
1989	17.0	- 3.4	7.8	21.4	2 253.1	53.8	1 692.6	560.5
1990	12.8	-18.2	8.4	3.0	2 256.1	53.1	1 745.7	510.4
1991	10.2	- 9.9	9.1	9.4	2 265.6	51.4	1 797.1	468.5
1992	9.0	15.3	2.8	27.1	2 292.7 (14.4) ^b	53.6	1 850.7	442.0 (2.8) ^b

^a Discrepancies are due to rounding. Production figures may change as the result of future amendments to production reports.

^b Imperial equivalent in billions of stock-tank barrels.

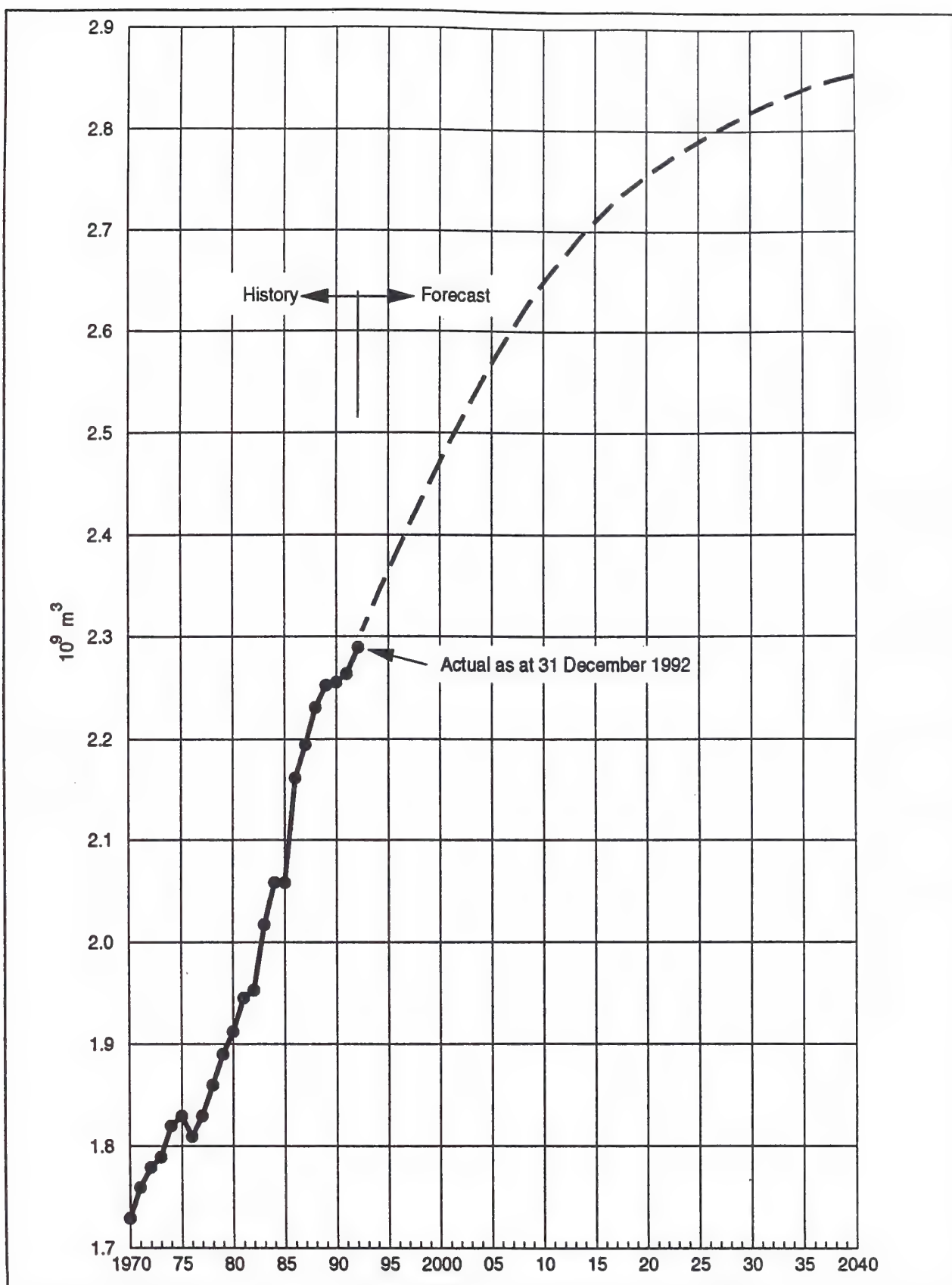


FIGURE 8-1 FORECAST GROWTH OF INITIAL ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL

8.2 Crude Bitumen and Synthetic Crude Oil

The Board estimates the ultimate volume of crude bitumen in place to be 400 billion cubic metres, consisting of about 24 billion in deposits that may eventually be amenable to surface mining, and the remainder in deeper deposits that will require the use of in situ recovery or underground mining techniques.

Although drilling and log analyses have indicated the potential ultimate volume of crude bitumen in place to be some 400 billion cubic metres, knowledge of quality variations and those effects on recovery potential are still very limited. In addition, for some deposits, particularly carbonates, little experimentation has been carried out to establish the expected recovery factor for this type of resource. For these reasons, those portions of the in-place volumes for the Cretaceous sand and Palaeozoic carbonate deposits, which will require the use of in situ recovery methods, were broken down into established and probable categories, and different recovery factors were applied to each category in establishing the ultimate potential of crude bitumen for the in situ areas. The recovery factors selected reflect the Board's current broad knowledge respecting the quality of the in-place reserves, the amount of experimentation done to date to establish recovery techniques, and a projection of improvements in those techniques in the future.

The ultimate potential of crude bitumen from Cretaceous sediments by in situ recovery methods is estimated to be some 33 billion cubic metres and from the carbonate sediments some 6 billion cubic metres. About 10 billion cubic metres are expected from within the surface-mineable boundary and represent the initial mineable volume in place after accounting for losses in mining and extraction and quantities inaccessible in environmental buffer zone areas. For current projects, it is also assumed that tailings ponds and discard sites will either be located on non-mineable areas or will be removed from the mineable areas in order to recover underlying economic mineable ore. The total initial ultimate potential amount of crude bitumen recoverable is therefore about 49 billion cubic metres.

The yield of synthetic crude oil (including butanes and heavier liquid product) from crude bitumen will vary with the upgrading technology used. Also, it will depend upon the extent to which external energy sources such as coal and natural gas are used to satisfy fuel requirements. The Board has revised the estimates of liquid yield expected from the upgrading and now considers an average yield factor of 1.0 cubic metres per cubic metre by volume can be achieved through the use of high conversion hydrogen addition upgrading technologies. However, in terms of ultimate synthetic crude oil reserves, hydrogen requirements would be extremely large, far exceeding estimated amounts that might be available by steam reforming of natural gas. Therefore, alternative sources of hydrogen such as from partial oxidation using coal, coke, or pitch residuum would have to be considered. Also, it is assumed that coal and natural gas may supply part of the fuel needs. On these assumptions, the ultimate potential amount of synthetic crude oil recoverable is estimated at 49 billion cubic metres with 10 billion attributable to surface mining and 39 billion to the in situ areas.

The relationship between the initial and remaining ultimate potential for crude bitumen is illustrated below:

	<u>10⁶ m³</u>
Initial Established	751
Cumulative Production	<u>269</u>
Remaining Established	482
Yet to Be Established	48 249
Ultimate Potential	<u>49 000</u>
Remaining Ultimate Potential	48 731

8.3 Marketable Gas

In June 1992, the Board released ERCB Report 92-A¹ which presented the results of its detailed review of Alberta's ultimate potential for marketable gas. This review took into consideration three important criteria: geological prospects, technology and economics. Having regard for the uncertainties in estimating geological prospects, and predicting technological and economic change, the Board adopted an estimate of 5600 billion cubic metres as Alberta's ultimate potential for marketable gas.

The relationship between the ultimate potential for marketable gas and the portion remaining to be recovered is illustrated below:

	<u>10⁹ m³</u> <u>at 37.4 MJ/m³</u>
Initial Established	3 509
Cumulative Production	<u>1 871</u>
Remaining Established	1 638
Yet to Be Established	2 091
Ultimate Potential	<u>5 600</u>
Remaining Ultimate Potential	3 729

Annual additions to established gas reserves averaged 79.2 billion cubic metres during the period 1956 to 1992 (Table 8-2, column 4). Reserve additions have fluctuated a great deal during this period because of changes in economic factors such as price, market opportunities, and drilling incentive programs, and also because of annual revisions to estimates of existing reserves.

Columns 1 and 2 of Table 8-2 subdivide the annual reserves growth into two components: new discoveries, and development and re-evaluation.

1 Energy Resources Conservation Board, 1992. **Ultimate Potential and Supply of Natural Gas in Alberta.**
ERCB Report 92-A. Calgary, Alberta

For the years prior to 1978, the new discovery total includes only those reserves having initial established reserves of marketable gas equal to or greater than 300 million cubic metres.

Commencing in 1979 the new discoveries which are not booked in the year of discovery but in the following year are not accounted for under new discoveries. This effect may lead to a substantial understatement in the discoveries column and an overstatement in the development column. Occasionally, the reverse might be true where established reserves classified as new discoveries in a given year later prove to be extensions of earlier discoveries and the pools are coalesced.

In view of the above, the distribution of reserves between new discoveries and development should be used with caution.

The forecast growth in initial established reserves shown in Figure 8-2 reflects the Board's estimate of ultimate potential of 5600 billion cubic metres. The Board anticipates that the growth rate will increase to about 90 billion cubic metres per year by the turn of the century and then gradually decline as opportunities for new discoveries diminish. While fluctuations in reserves growth during the forecast period will undoubtedly occur, the Board believes its forecast represents a reasonable scenario for use in forecasting and policy formation.

TABLE 8-2 **Summary of Initial and Remaining Established Reserves of Marketable Gas**
As of Each Year-end
billions of cubic metres

	1	2	3	4	5	6	7	8
Year	Initial Established				Production		Remaining Established*	
	New Discoveries (Initial Year)	Development and Re-evaluation	Net Additions	Cumulative ^a	Annual	Cumulative ^a	Actual ^a	37.4 MJ/m ³
1956	*	*	64.5	552.2	3.2	32.0	520.1	*
1957	*	*	64.9	617.1	3.8	35.8	581.7	*
1958	*	*	110.4	727.5	5.3	41.1	686.4	721.2
1959	*	*	88.5	816.0	7.1	48.2	767.8	809.8
1960	18.2	101.7	119.9	935.9	9.1	57.4	878.6	926.8
1961	9.6	3.7	13.3	949.2	11.9	69.3	879.9	930.5
1962	8.7	41.0	49.7	998.8	17.6	86.9	912.1	964.2
1963	3.1	32.7	35.8	1 034.7	19.6	106.5	928.2	980.0
1964	7.2	78.7	85.9	1 120.6	22.1	128.6	992.0	1 052.6
1965	11.3	78.4	89.7	1 210.4	24.2	152.8	1 057.6	1 129.6
1966	2.1	38.6	40.7	1 251.0	25.5	178.3	1 072.6	1 142.5
1967	24.3	49.6	73.9	1 324.9	27.5	205.8	1 119.1	1 189.6
1968	15.3	119.3	134.6	1 459.5	30.0	235.8	1 223.6	1 342.6
1969	18.6	68.9	87.5	1 547.0	37.8	273.6	1 273.4	1 342.6
1970	7.6	38.7	46.2	1 593.2	40.1	313.8	1 279.4	1 352.0
1971	4.8	40.6	45.4	1 638.6	48.5	362.3	2 276.3	1 346.9
1972	12.5	32.8	45.2	1 683.9	52.4	414.7	1 269.1	1 337.6
1973	7.8	175.6	183.4	1 867.2	56.0	470.7	1 396.6	1 464.5
1974	8.6	138.4	147.0	2 014.3	57.0	527.8	1 486.5	1 550.2
1975	0.8	20.0	20.8	2 035.1	56.6	584.3	1 450.8	1 512.8
1976	6.9	98.7	105.6	2 140.7	54.6	639.0	1 501.7	1 563.9
1977	6.6	120.9	127.6	2 268.2	61.0	700.0	1 568.3	1 630.3
1978	24.4	138.9	163.3	2 431.6	66.4	766.3	1 665.2	1 730.9
1979	16.4	106.8	123.2	2 554.7	70.0	836.4	1 718.4	1 783.1
1980	30.0	62.5	92.4 ^a	2 647.1	63.9	900.2	1 747.0	1 812.1
1981	28.9	88.1	117.0	2 764.1	68.6	968.8	1 795.3	1 864.8
1982	10.6	108.1	118.7	2 882.8	60.9	1 029.7	1 853.1	1 924.6
1983	16.3	22.7	39.0	2 921.8	66.0	1 095.6	1 826.2	1 898.7
1984	9.6	30.9	40.5	2 962.3	68.3	1 163.9	1 798.4	1 872.2
1985	11.5	31.1	42.6	3 004.9	72.8	1 236.7	1 768.3	1 840.0
1986	9.2	12.6	21.8	3 026.7	69.9	1 306.6	1 720.1	1 790.3
1987	8.9	- 8.9	0.0	3 026.7	68.4	1 375.0	1 651.7	1 713.7
1988	13.9	50.7	64.6	3 091.3	88.6	1 463.5	1 627.7	1 673.7
1989	19.0	88.8	107.8	3 199.0	85.8	1 549.3	1 648.7	1 698.2
1990	28.0	59.8	87.8	3 286.8	90.1	1 639.4	1 647.4	1 694.2
1991	16.3	41.3	57.6	3 344.4	78.8 ^c	1 718.2	1 626.2	1 669.7
1992	10.6	61.8	72.5 ^a	3 416.9 (121.3) ^b	104.0	1 822.1	1 594.7 (56.6) ^b	1 637.6 (58.1) ^b

^a Discrepancies are due to rounding.

^b Imperial equivalent in trillions of cubic feet.

^c Includes a solvent flood correction of - 9.6 billion cubic metres.

* Not available.

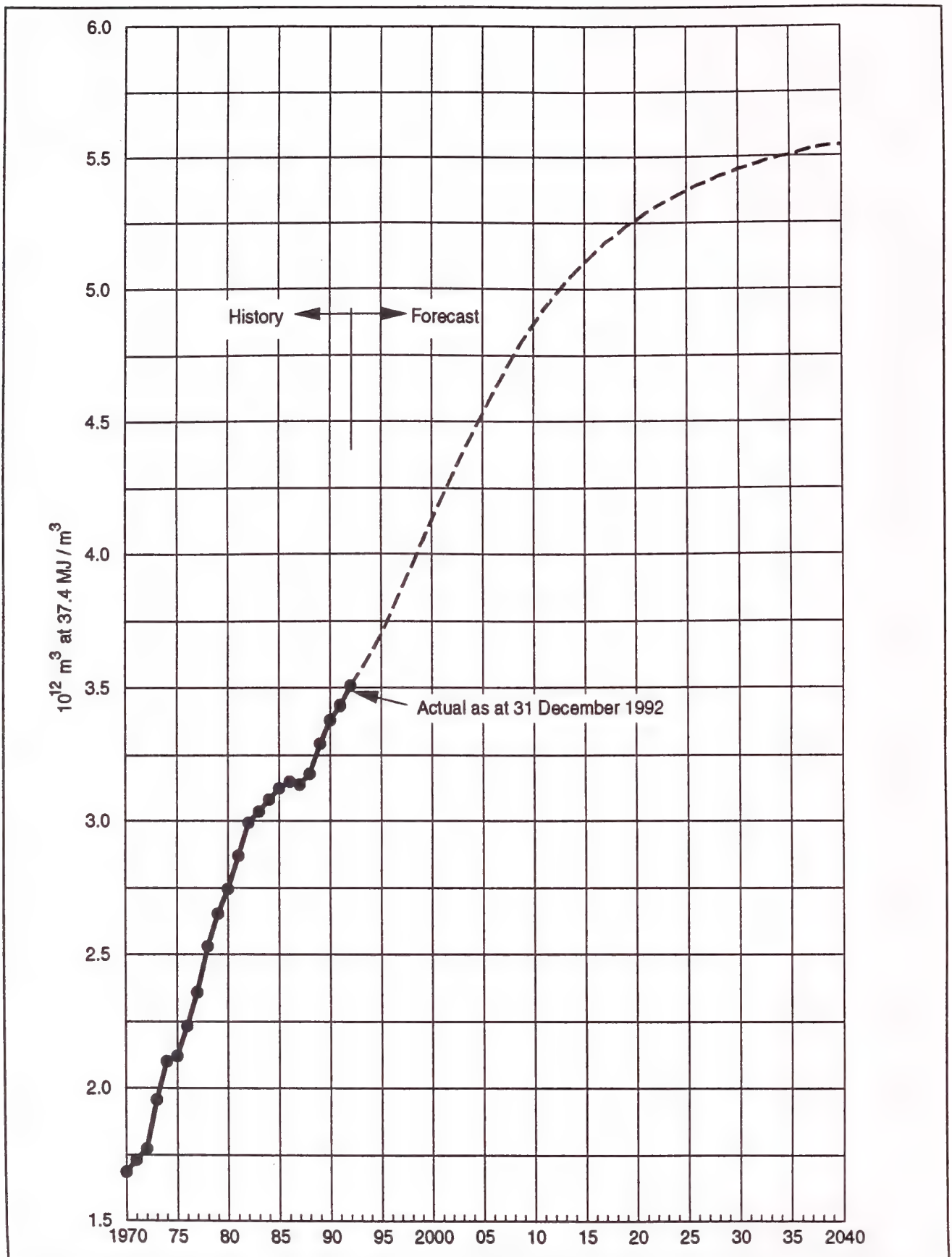


FIGURE 8-2 FORECAST GROWTH OF INITIAL ESTABLISHED RESERVES OF MARKETABLE GAS

8.4 Ethane

In 1988 the Board adopted a new methodology for use in determining the co-product (ethane, natural gas liquids, and sulphur) content of future gas discoveries. The province is divided into areas which are geologically similar and within which the gas reserves established to date are a significant portion of those likely to be found in future. The co-product content of the gas found to date is calculated for each area and it is assumed that future discoveries in each of the areas will have co-product contents similar to the established reserves. In this manner the average co-product content of all future gas reserves is calculated.

The Board estimates that the ethane content of marketable gas yet to be established will be 190 cubic metres of ethane liquid per million cubic metres of marketable gas. The Board's estimate of ultimate potential for ethane is derived by applying this ethane-to-gas ratio to its estimate of marketable gas yet to be established and adding the initial established reserves of ethane.

The reserves, production, and ultimate potential for the ethane contained in marketable gas are shown below:

	<u>10⁶ m³ (liquid)</u>
Initial Established	635.9
Cumulative Production	<u>323.9</u>
Remaining Established	312.0
Yet to Be Established	394.1
Ultimate Potential	<u>1 030.0</u>
Remaining Ultimate Potential	706.1

The Board estimates that at least 65 per cent of the ethane contained in the remaining ultimate potential of marketable gas could be practically and economically recovered.

8.5 Natural Gas Liquids

Utilizing the methodology described in Section 8.4, the Board estimates that the propane, butanes, and pentanes plus contents of marketable gas yet to be established will be 75, 45, and 85 cubic metres (liquid) per million cubic metres of marketable gas, respectively. The Board's estimate of ultimate potential for natural gas liquids is derived by applying these liquid-to-gas ratios to its estimate of marketable gas yet to be established and adding the initial established reserves of natural gas liquids.

The reserves, production, and ultimate potential of natural gas liquids are shown below:

	Propane	Butanes	Pentanes Plus
	10 ⁶ m ³ (liquid)		
Initial Established	252.8	151.0	317.6
Cumulative Production	<u>131.7</u>	<u>80.4</u>	<u>197.6</u>
Remaining Established	121.1	70.6	120.0
Yet to Be Established	157.2	99.0	182.4
Ultimate Potential	<u>410.0</u>	<u>250.0</u>	<u>500.0</u>
Remaining Ultimate Potential	278.3	169.6	302.4

8.6 Sulphur

8.6.1 Sulphur from Gas

Utilizing the methodology described in Section 8.4, the Board estimates that the sulphur content of marketable gas yet to be established will be 70 tonnes per million cubic metres of marketable gas. The Board's estimate of ultimate potential for sulphur is derived by applying this sulphur-to-gas ratio to its estimate of marketable gas yet to be established and adding the initial established reserves of sulphur.

In addition to the sulphur recoverable from "conventional" gas, there is also sulphur potentially recoverable from ultra-high H₂S pools. The Board's estimate of the ultimate potential for sulphur from ultra-high H₂S pools is 40 million tonnes.

The reserves, production, and ultimate potential for sulphur are shown below:

	Conventional	Ultra-high H ₂ S	Total
	10 ⁶ tonnes		
Initial Established	223.7	4.4	228.1
Cumulative Production	<u>143.9</u>	<u>0.0</u>	<u>143.9</u>
Remaining Established	79.8	4.4	84.2
Yet to Be Established	106.3	35.6	141.9
Ultimate Potential	<u>330.0</u>	<u>40.0</u>	<u>370.0</u>
Remaining Ultimate Potential	186.1	40.0	226.1

8.6.2 Sulphur from Crude Bitumen

The Board estimates the ultimate potential of sulphur in Alberta's recoverable crude bitumen to be some 2200 million tonnes at year-end in 1992. This estimate was derived by applying a recovery ratio of 45.8 tonnes of sulphur per thousand cubic metres of bitumen to the 1992 year-end ultimate potential of crude bitumen of some 49 billion cubic metres. In 1989 the recovery ratio was revised to reflect the use of high conversion hydrogen addition technologies for upgrading the crude bitumen. Such technologies result in a higher sulphur recovery than do the alternative carbon rejection technologies because more of the sulphur in the bitumen is converted to H_2S as opposed to being left in the upgrading residues. The ratio reflects the recovery expected at future plants. Some 6.3 million of the 2200 million tonnes expected have been produced to the 1992 year-end.

APPENDIX OIL, CRUDE BITUMEN, AND GAS DRILLING AND RESERVE GROWTH HISTORICAL DATA

This appendix presents historical data on the development of the oil and gas industry in Alberta and the annual additions to established reserves of crude oil, crude bitumen, and marketable gas to year-end 1991.

The text describing the data in Tables A-4 and A-5 should be considered carefully to avoid misinterpretation.

TABLE A-1

From 1956 to 1992 inclusive, 76 per cent of the development wells drilled in Alberta resulted in successful oil or gas wells compared to only 41 per cent for exploratory wells¹. A few unsuccessful development wells were completed as water disposal and service wells.

Counts of crude bitumen wells have been tabulated from 1980 onward. Two types of crude bitumen development wells are shown, **Commercial** for those in commercial projects (including the Lindbergh Area), and **Experimental** for those in recovery-test schemes. Experimental wells are included in the development category because they are drilled into known oil sands deposits. Experimental well counts are not available prior to 1980. Up to 1983, commercial crude bitumen wells appear in the table in the oil well count.

Most of the crude bitumen exploratory wells are oil sands evaluation wells which are required to be abandoned. Also included are some exploratory wells licensed to obtain crude bitumen production. Oil sands evaluation wells also do not appear in any form in the table for the period prior to 1980.

As has been the case since 1982, during 1992 industry generally focused more of its activity on oil development drilling, which was up 34 per cent over last year. Gas development drilling decreased 41 per cent which was its worst showing since 1970. Oil exploratory drilling increased a modest 10 per cent over 1991 levels but was still 27 per cent less than the average for the last ten years. Gas exploratory drilling decreased 19 per cent from 1991 and was 23 per cent less than the average for the last ten years.

While overall development and exploratory drilling decreased only a minor 2 per cent from last year, 1992 was their lowest combined level since 1975 and was 29 per cent less than the average for the last 10 years.

TABLE A-2

A somewhat better measure of exploratory and development activity is the kilometres drilled annually in each category. Since 1966, these data have been further categorized to also show the number of kilometres drilled for successful oil and gas wells. The information in Table A-2 is thus closely related to that in Table A-1.

1 For the purposes of Tables A-1 and A-2, exploratory wells include deep pool tests, new pool wildcats, and new field wildcats. Outpost wells have been included in the development well totals.

TABLE A-1 **Development and Exploratory Wells**
number drilled annually, 1956-1992

	1	2	3	4	5
Year	Development				Total ^a
	Successful				
	Oil	Crude Bitumen		Gas	
		Commercial	Experimental		
1956	1 317	**	*	79	1 514
1957	818	**	*	73	1 020
1958	924	**	*	164	1 315
1959	834	**	*	164	1 170
1960	944	**	*	184	1 363
1961	741	**	*	231	1 188
1962	653	**	*	190	1 113
1963	803	**	*	186	1 255
1964	796	**	*	173	1 281
1965	843	**	*	155	1 366
1966	552	**	*	188	1 003
1967	506	**	*	190	953
1968	387	**	*	257	970
1969	324	**	*	311	901
1970	246	**	*	425	884
1971	269	**	*	489	1 085
1972	454	**	*	738	1 618
1973	480	**	*	961	1 970
1974	566	**	*	1 284	2 241
1975	597	**	*	1 443	2 408
1976	444	**	*	2 096	2 959
1977	530	**	*	1 941	2 813
1978	726	**	*	2 134	3 269
1979	984	**	*	2 352	3 892
1980	1 296	**	139	2 855	4 888
1981	1 107	**	173	2 173	4 006
1982	1 246	**	234	1 901	3 862
1983	1 907	**	268	836	3 457
1984	1 983	438	365	994	4 496
1985	2 343	980	270	1 694	6 288
1986	1 465	194	93	804	3 298
1987	1 865	377	144	712	3 865
1988	1 950	660	60	1 105	4 812
1989	995	38	28	823	2 451
1990	944	69	43	1 005	2 655
1991	1 168	91	19	789	2 711
1992	1 566	101	7	463	2 744

^a Includes unsuccessful, service, and suspended wells.

^b Includes oil sands evaluation wells and exploratory wells licensed to obtain crude bitumen production.

* Not available.

** Included in Oil.

6	7	8	9	10	11	12	13
Exploratory				Total			
Successful				Successful			
Oil	Crude ^b Bitumen	Gas	Total ^a	Oil	Crude Bitumen	Gas	Total ^a
51	*	59	384	1 368	*	138	1 898
56	*	52	428	874	*	125	1 448
35	*	63	404	959	*	227	1 719
43	*	78	432	877	*	242	1 602
41	*	92	403	985	*	276	1 766
42	*	113	423	783	*	344	1 611
35	*	82	484	688	*	272	1 597
65	*	89	502	868	*	275	1 757
65	*	90	570	861	*	263	1 851
76	*	85	705	919	*	240	2 071
62	*	69	634	614	*	257	1 637
135	*	84	693	641	*	274	1 646
162	*	130	936	549	*	387	1 906
138	*	122	972	462	*	433	1 873
55	*	183	963	301	*	608	1 847
93	*	202	940	362	*	691	2 025
55	*	252	1 058	509	*	990	2 676
101	*	413	1 543	581	*	1 374	3 513
69	*	384	1 248	635	*	1 668	3 489
67	*	428	1 238	664	*	1 871	3 646
108	*	1 005	2 082	552	*	3 101	5 041
172	*	1 011	2 317	702	*	2 952	5 130
218	*	956	2 304	944	*	3 090	5 573
266	*	825	1 888	1 250	*	3 177	5 780
310	354	1 040	2 653	1 606	*	3 895	7 541
318	857	883	2 865	1 425	*	3 056	6 871
317	221	510	1 719	1 563	*	2 411	5 581
335	68	255	1 245	2 242	*	1 091	4 702
407	126	278	1 661	2 390	929	1 272	6 157
436	588	238	2 175	2 779	1 838	1 932	8 463
271	168	167	1 199	1 736	455	971	4 497
300	105	217	1 305	2 165	626	929	5 170
322	277	374	1 793	2 272	997	1 479	6 605
247	245	437	1 678	1 242	311	1 260	4 129
258	122	541	1 643	1 202	234	1 546	4 298
206	51	320	1 182	1 374	161	1 109	3 893
227	13	258	1 053	1 793	121	721	3 797

TABLE A-2 Development and Exploratory Wells
kilometres drilled annually, 1956–1992

	1	2	3	4	5
Year	Development				Total ^a
	Successful				
	Oil	Crude Bitumen		Gas	
		Commercial	Experimental		
1956	*	**	*	*	2 411
1957	*	**	*	*	1 553
1958	*	**	*	*	1 842
1959	*	**	*	*	1 969
1960	*	**	*	*	2 426
1961	*	**	*	*	2 385
1962	*	**	*	*	2 032
1963	*	**	*	*	2 266
1964	*	**	*	*	2 235
1965	*	**	*	*	2 142
1966	921	**	*	79	1 567
1967	748	**	*	219	1 420
1968	539	**	*	391	1 360
1969	464	**	*	408	1 254
1970	347	**	*	448	1 107
1971	352	**	*	406	1 219
1972	636	**	*	547	1 669
1973	692	**	*	800	2 204
1974	749	**	*	907	2 237
1975	714	**	*	1 159	2 340
1976	593	**	*	1 173	2 983
1977	720	**	*	1 624	2 961
1978	995	**	*	1 691	3 408
1979	1 452	**	*	1 936	4 141
1980	1 839	**	80	2 557	5 309
1981	1 401	**	85	1 934	4 169
1982	1 804	**	103	1 521	4 116
1983	2 482	**	112	896	4 248
1984	2 935	257	203	999	5 603
1985	3 302	579	155	1 443	7 353
1986	2 200	117	47	850	4 550
1987	2 627	209	80	883	5 252
1988	2 555	376	38	1 249	6 081
1989	1 259	24	17	851	3 339
1990	1 259	46	32	1 032	3 660
1991	1 468	62	12	805	3 497
1992	1 953	65	7	478	3 532

a Includes unsuccessful, service, and suspended wells.

b Includes oil sands evaluation wells and exploratory wells licensed to obtain crude bitumen production.

c Discrepancies are due to rounding.

* Not available.

** Included in Oil.

6	7	8	9	10	11	12	13
Exploratory				Total			
Successful				Successful			
Oil	Crude ^b Bitumen	Gas	Total ^a	Oil	Crude Bitumen	Gas	Total ^a
*	*	*	665	*	*	*	3 077
*	*	*	724	*	*	*	2 278
*	*	*	712	*	*	*	2 554
*	*	*	725	*	*	*	2 694
*	*	*	737	*	*	*	3 163
*	*	*	724	*	*	*	3 109
*	*	*	744	*	*	*	2 776
*	*	*	723	*	*	*	2 989
*	*	*	917	*	*	*	3 152
*	*	*	1 038	*	*	*	3 180
95	*	107	958	1 016	*	84	2 526
208	*	95	996	957	*	314	2 416
244	*	198	1 386	783	*	589	2 746
206	*	164	1 410	670	*	572	2 667
83	*	208	1 295	431	*	656	2 402
126	*	218	1 227	477	*	624	2 446
83	*	280	1 402	719	*	828	3 071
112	*	404	1 650	805	*	1 204	3 854
92	*	410	1 419	841	*	1 318	3 655
87	*	423	1 309	801	*	1 582	3 649
139	*	846	1 892	732	*	2 619	4 875
178	*	1 016	2 288	897	*	2 640	5 250
300	*	1 219	2 718	1 295	*	2 910	6 126
450	*	1 256	2 771	1 902	*	3 192	6 912
494	71	1 550	3 261	2 333	151	4 107	8 570
473	124	1 202	2 810	1 874	209	3 136	6 979
493	27	603	1 920	2 297	130	2 124	6 036
472	11	338	1 528	2 954	123	1 234	5 776
511	19	362	1 846	3 446	479	1 361	7 449
584	96	300	1 975	3 886	829 ^c	1 743	9 328
341	39	209	1 286	2 541	203	1 059	5 836
382	16	277	1 476	3 010 ^c	305	1 160	6 728
373	65	414	1 797	2 928	479	1 663	7 877
300	32	482	1 623	1 558	74	1 332	4 963
269	18	523	1 507	1 528	96	1 555	5 167
195	14	340	1 200	1 663	88	1 145	4 697
257	4	274	1 095	2 210	75	753	4 627

TABLE A-3

In Table A-3, a completion event is counted as a well. Therefore, because some wellbores have more than one completion event, this table does not represent the actual number of wellbores in existence in each category listed.

Table A-3 shows the growth in the number of oil and gas wells operated. It excludes wells formerly capable but now abandoned.

Although the capped wells shown in column 5 have not been completed, many could be capable of production on short notice. In most cases, wells are capped until gathering or processing facilities are completed or the economics of production and marketing improves.

TABLE A-4 AND TABLE A-5

The data shown on these two tables in past reports are now incorporated into Table 8-1 and Table 8-2, respectively.

TABLE A-3 **Completed and Capped Wells**
cumulative totals, 1956-1992

Year	Oil Wells Completed		Gas Wells Completed		Capped Gas Wells ^c
	Capable ^a	Operated ^b	Capable ^a	Operated ^b	
1956	7 390	6 743	523	368	713
1957	8 016	7 136	585	422	766
1958	8 536	7 811	705	575	871
1959	9 217	8 281	830	681	981
1960	9 878	8 633	950	758	1 127
1961	10 529	8 938	1 088	894	1 314
1962	10 809	9 183	1 257	995	1 388
1963	11 437	9 217	1 437	1 213	1 466
1964	12 114	9 613	1 628	1 372	1 497
1965	12 771	8 736	1 800	1 502	1 515
1966	13 162	8 886	1 921	1 527	1 586
1967	13 473	9 116	2 065	1 647	1 666
1968	13 733	9 114	2 356	1 924	1 594
1969	13 897	9 381	2 692	2 194	1 601
1970	13 971	9 383	3 010	2 490	1 684
1971	14 065	9 467	3 426	2 830	1 801
1972	14 168	9 689	3 985	3 318	2 063
1973	14 368	10 028	4 536	3 769	2 551
1974	14 819	10 395	5 344	4 508	3 469
1975	15 177	10 708	6 670	5 704	3 935
1976	15 663	11 166	9 010	7 753	4 864
1977	16 224	11 592	12 529	10 806	6 023
1978	16 871	12 151	14 897	12 785	6 686
1979	17 673	12 805	17 173	14 760	8 268
1980	18 833	13 312	19 546	16 661	10 094
1981	20 072	14 243	22 611	18 797	11 593
1982	21 345	15 259	25 400	20 611	10 991
1983	23 182	16 694	27 125	21 881	10 835
1984	25 320	18 406	29 037	22 839	10 793
1985	27 830	19 957	30 255	24 424	10 957
1986	30 020	20 175	32 619	24 648	11 201
1987	31 929	22 347	33 570	25 453	11 292
1988	34 048	22 893	34 235	27 167	11 447
1989	36 890	24 139	35 431	27 051	11 551
1990	37 392	24 726	36 517	27 291	11 844
1991	38 143	24 676	37 232	27 998	11 476
1992	39 386	25 559	37 826	30 074	10 775

a Includes wells which had been placed on production and were either operated, suspended, or shut in during December of each year, including crude bitumen wells, but excludes events used for injection.

b The number of events produced during December of each year.

c The number of events drilled and never placed on production and reported by the operator as capped as of 31 December of each year.

N O R T H W E S T T E R R I T O R I E S

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120

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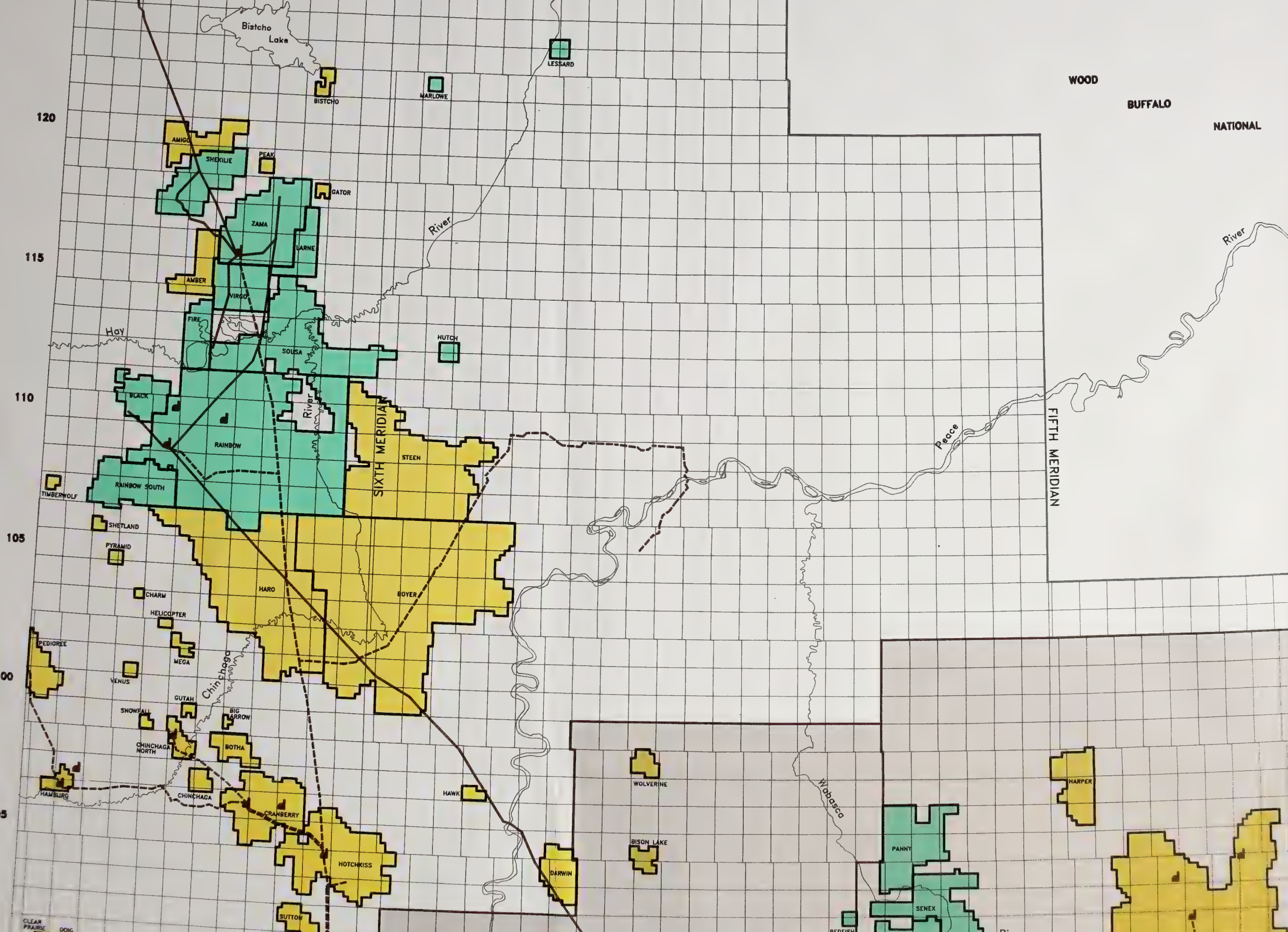
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105

100

95

H C O L U M B I A



N O R T H W E S T T E R R I T O R I E S

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WOOD

BUFFALO

NATIONAL

PARK

River

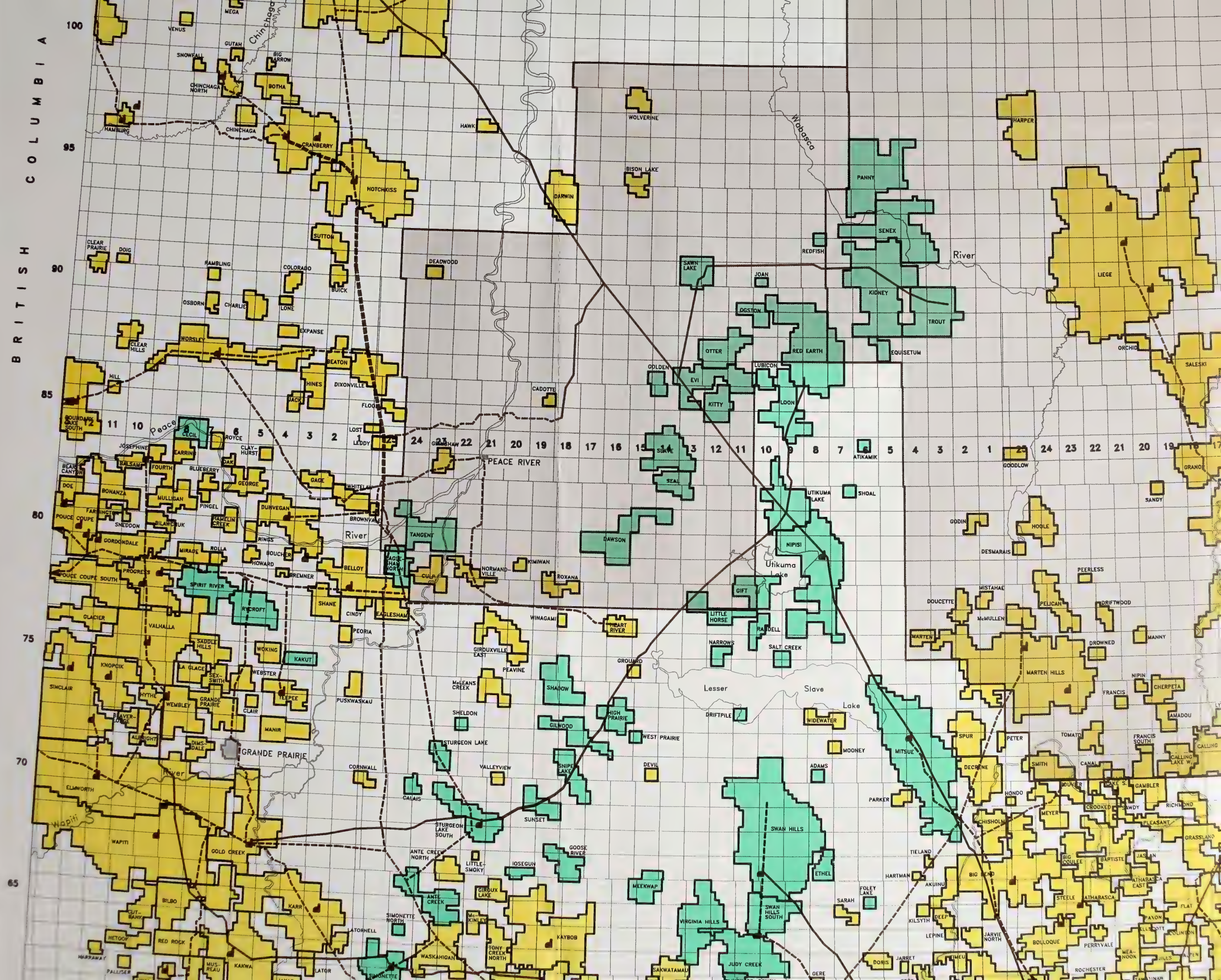
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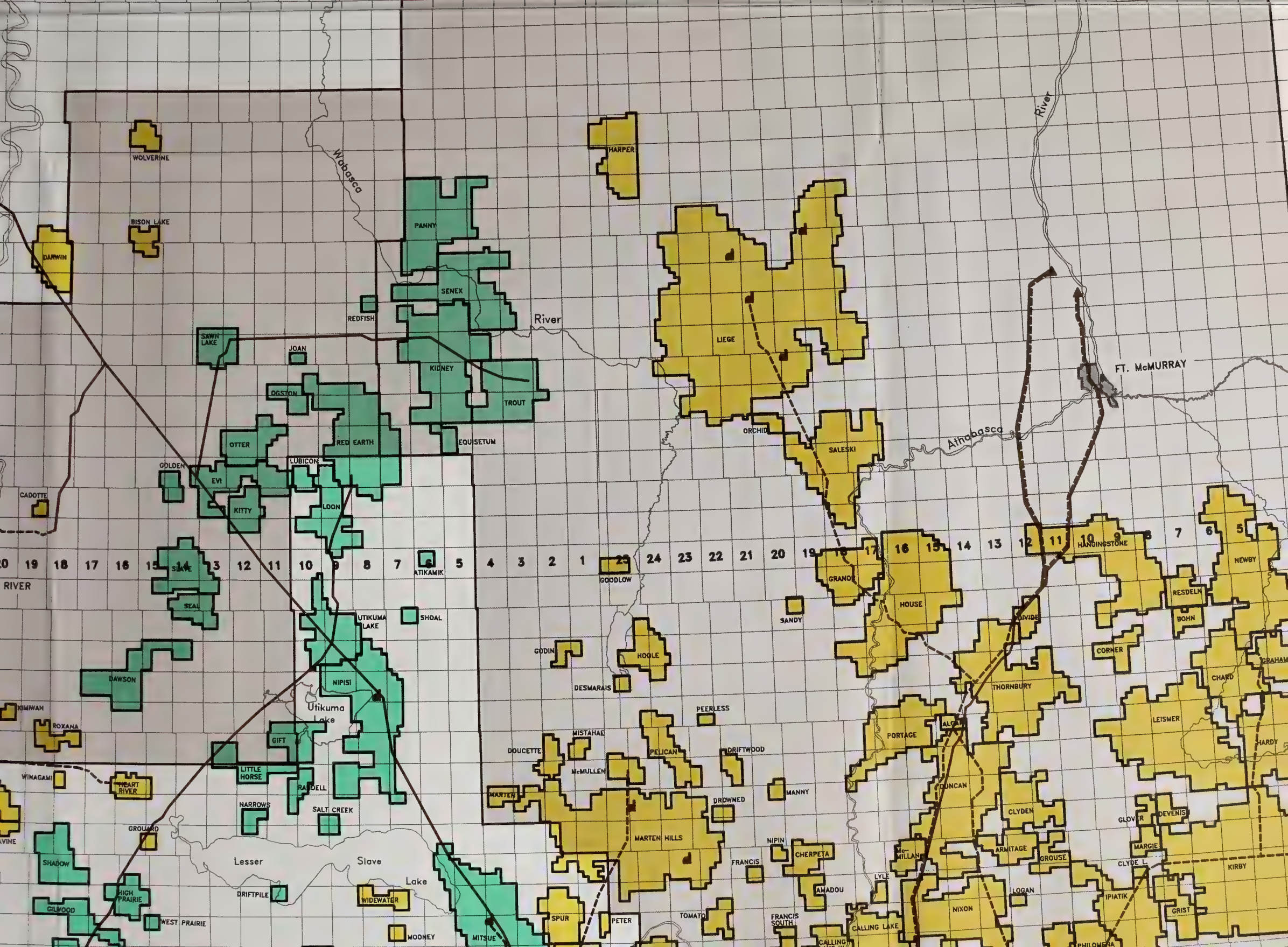
FIFTH MERIDIAN

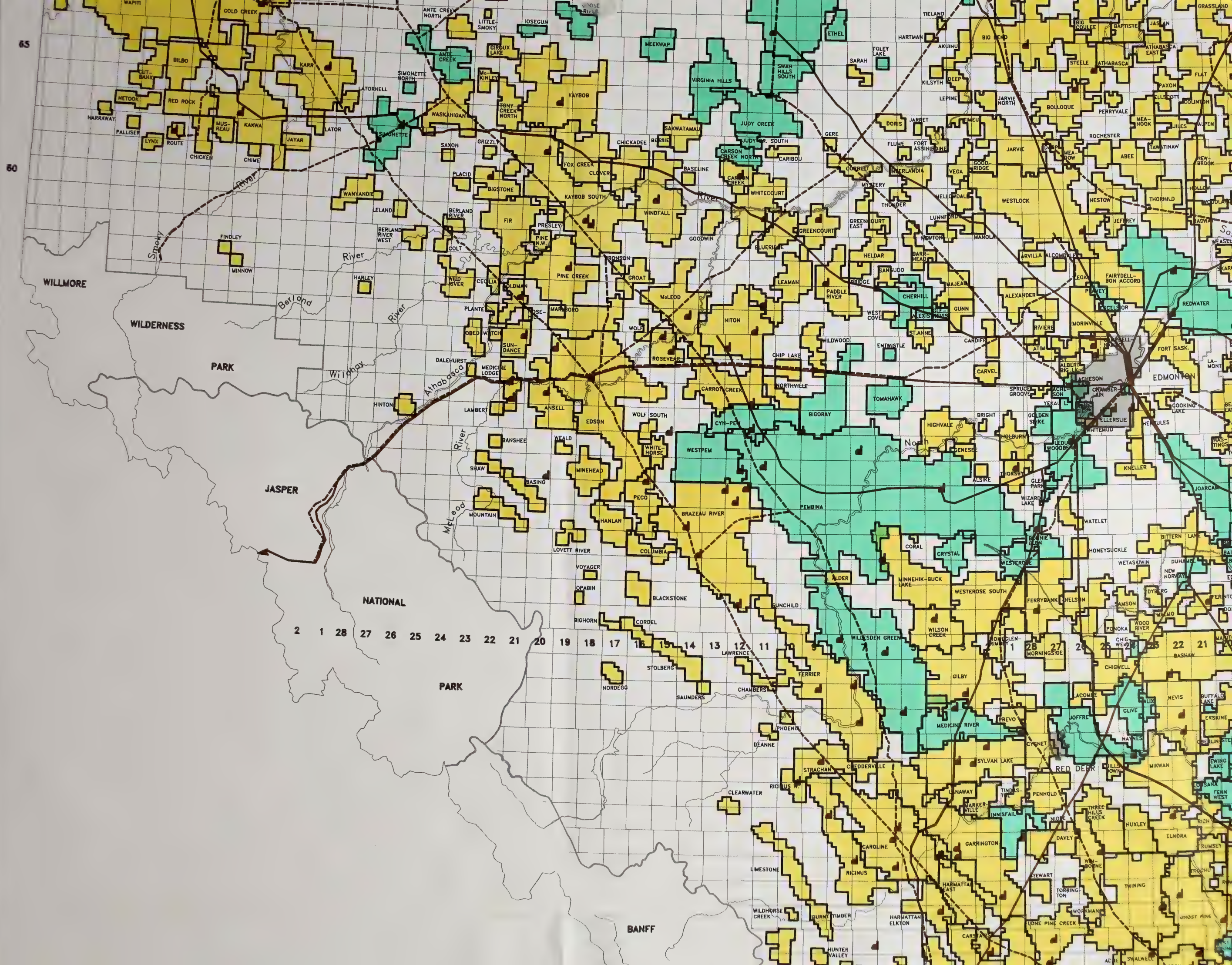
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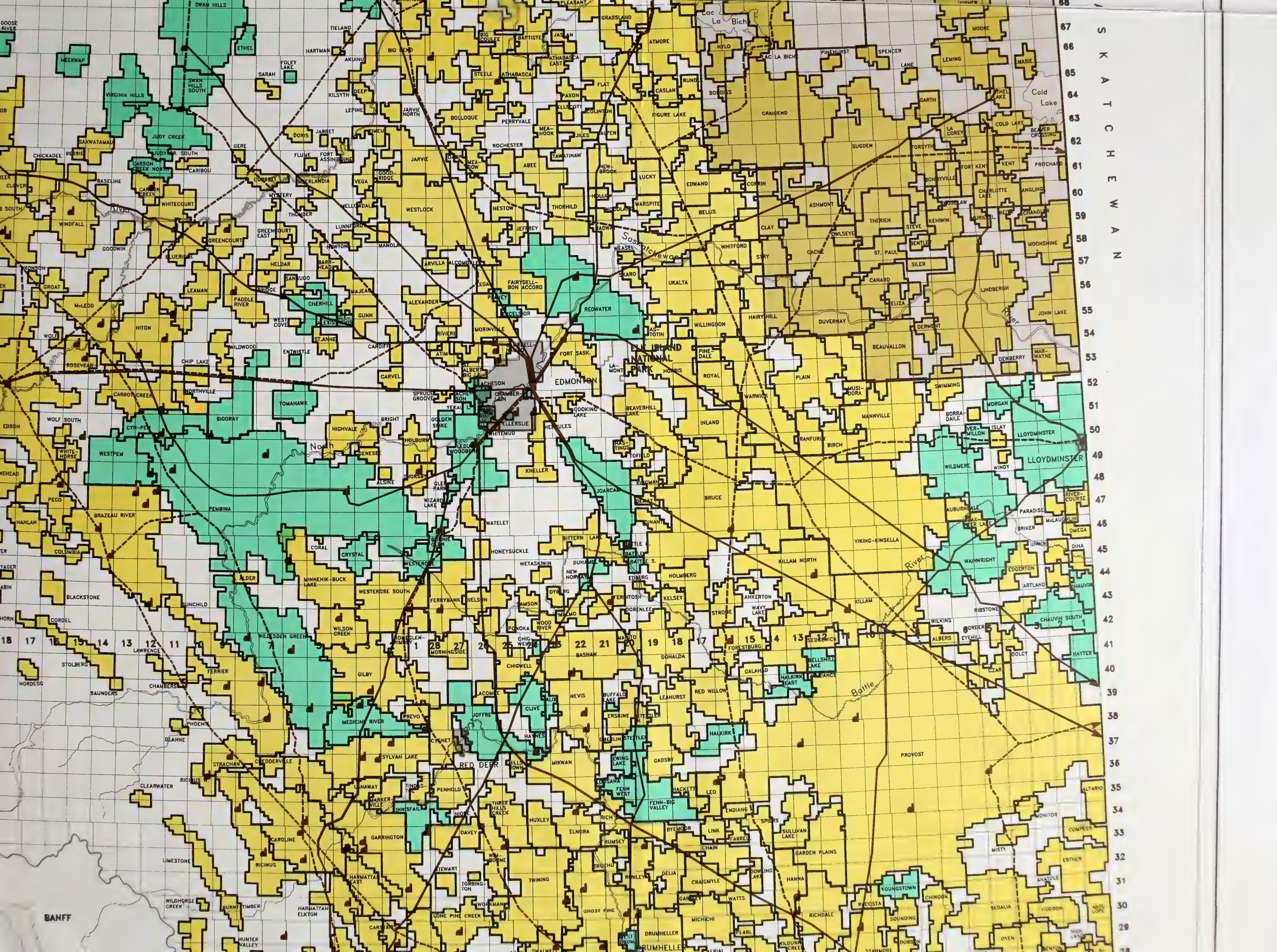
Claire

Lake
Athabasca









SKATCHEWAN

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ERCB

Energy Resources Conservation Board

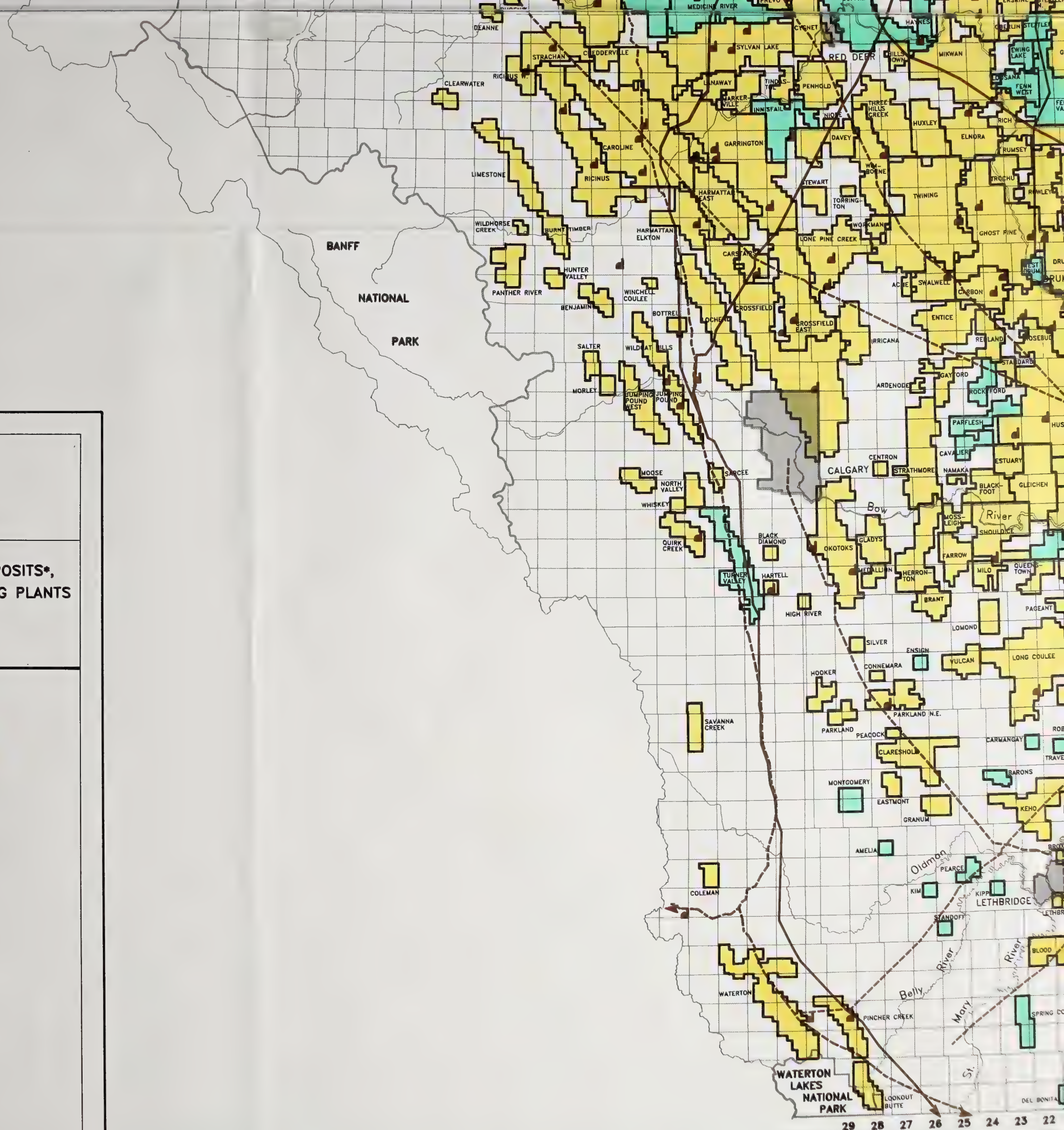
DESIGNATED OIL AND GAS FIELDS, OIL SANDS DEPOSITS*,
MAIN PIPELINES, REFINERIES AND GAS PROCESSING PLANTS
31 DECEMBER 1992
ALBERTA, CANADA

- Field - mainly oil 
- mainly gas 
Deposit - oil sands 
Pipeline - oil 
- gas 
Oil Sands Processing Plant 
Oil Refinery 
Gas Processing Plant 
(capacity in excess of 0.5 million cubic metres per day)

km 10 0 10 20 30 40 50 60 70 km
miles 10 0 10 20 30 40 miles

*The Board's estimate of the reserves of the pools in the fields and deposits are published in the ERCB ST 93-18 report.

Note: The color of a field is based on the initial energy content of the oil and gas reserves in that field.
Certain information has been deleted in congested areas.



29 28 27 26 25 24 23 22

